



ACI Amplifier & Node Accessories

Accessories by product line

Product Name	ACION 3422 1002MHz	ACION 3410 870MHz 900MHz 1002MHz	ACION 1002 1002MHz	ACION 1000 870MHz 900MHz	SDA 1002MHz	SDA/ALX 900MHz	SDA /ALX 870MHz	SDA/ALX 750MHz	MFTJ (MDU) 1002MHz	MFT (MDU) 750MHz 870MHz 900MHz
Attenuator Pads JXP045-XX.X					√					
Attenuator Pads JXP100-XX.X			√							
Attenuator Pads JXP138-XX.X	√				√				√	
Standard Pads Short SXPXX.X		√		√		√	√	√		√
Standard Pads Long SXPLXX.X						√	√	√		√
Thermal Pads Long THPL-XX.X	√		√		√	√	√	√	√	√
Breakaway pads JXP137B-XX						√	√	√		√
Forward JXP EQ AEQDA1G & ACEQ1G					√	√	√	√	√	√
Forward EQ 1G EQDA1G/XX					√				√	
Forward EQ EQDA870/XX.X					√	√	√		√	√
Forward EQ EQDA750/XX.X					√	√	√	√	√	√
Cable EQ CEQ1G/XX					√				√	
Cable EQ CEQ 870/XX.X					√	√	√		√	√
Cable EQ CEQ 750/XX.X					√	√	√	√	√	√
Reverse Pad EQ REQDAXX (4 Pin)					√					
Reverse Pad EQ AREQBP42 (3 Pin)						√	√	√	√	√
Reverse EQ REQDAXX/XX					√					
Reverse EQ REQ42/XX.XB						√	√	√	√	√
Linear EQ LEQH1G/XX	√	√	√							
Linear EQ LEQ870/XX.X	√	√	√	√						
Linear EQ LEQ750/XX.X	√	√	√	√						
AGC Bypass 1G					√					
AGC Bypass (080842) 750/870/900 MHz						√	√	√		
Splitter s Couplers Jumpers			√	√			√	√		
Reverse Path Rejection Filters 8 & 14 MHz	√		√		√					

Forward and Reverse path Equalizers

RF signals, especially those over wide bandwidths, experience a change of slope when passed through a physical medium such as coaxial cable. The losses are greater at high frequencies than at low frequencies, thus causing a sloped response through an RF system. Technicians install equalizers in the RF amplifiers to account for this phenomenon, creating a flat response prior to the amplifier's gain blocks and improving distortions.

Equalizers are available for both forward and reverse paths across the operating frequency range of the intended path. Forward path equalization occurs prior to the input gain block and, in some cases, in between gain stations to support various applications. Because SDA and ALX amplifiers have built-in slope, a minimum amount of cable is required between amplifiers to guarantee a flat input into the input hybrid. Too little cable between amplifiers can cause an input with a positive slope into the second amplifier (the signal levels at the high end of the frequency range will be higher than the signal levels at the low end of the frequency range). Cable equivalent equalizers are available to correct this condition, but could greatly reduce the available gain at high frequencies. The slope column denotes the difference of output level between two specified frequencies, typically at opposite ends of the amplifier's bandwidth. An equalizer is located ahead of the two-distribution hybrids to provide additional slope at the bridger outputs compared to the trunk output.

Forward Equalizers



AEQDA1G 1002 MHz (JXP PLATFORM)

1002 MHz cable slope equalizers have a range of 0 to 18.0 dB in 1.0 dB steps by JXPXXX-0.0 to JXPXXX-18.0 (Note, JXPXXX-XX.X are sold separately)

Product Name	Install JXP dB Value	Nominal Insertion Loss (dB) at xxx MHz								Slope 54-1002
		54	72	91	550	650	750	870	1002	
AEQDA1G 1002 MHz	0	0.7	0.7	0.7	0.5	0.4	0.3	0.3	0.5	0.2
	1	2.1	1.7	1.7	0.9	0.8	0.7	0.7	1.0	1.1
	2	2.6	2.6	2.6	1.3	1.2	1.0	1.0	1.1	1.5
	3	3.7	3.6	3.6	1.8	1.6	1.4	1.3	1.2	2.5
	4	4.5	4.5	4.4	2.1	1.9	1.6	1.4	1.1	3.4
	5	5.7	5.6	5.5	2.7	2.3	2.0	1.6	1.1	4.6
	6	6.4	6.3	6.2	2.9	2.5	2.1	1.6	1.1	5.3
	7	7.4	7.3	7.2	3.3	2.8	2.3	1.7	1.0	6.4
	8	8.5	8.4	8.2	3.7	3.1	2.4	1.7	1.0	7.5
	9	9.5	9.4	9.2	4.1	3.4	2.6	1.7	1.0	8.5
	10	10.5	10.3	10.2	4.3	3.3	2.5	1.7	1.0	9.5
	11	11.5	11.3	11.2	4.6	3.6	2.6	1.7	1.0	10.5
	12	12.4	12.2	12.0	4.8	3.8	2.8	1.7	1.0	11.4
	13	13.4	13.2	12.9	5.1	4.1	3.0	1.7	0.9	12.5
	14	14.3	14.0	13.7	5.3	4.1	2.9	1.8	1.0	13.3
	15	15.3	15.0	14.6	5.6	4.3	3.0	1.8	0.9	14.4
	16	16.1	15.8	15.4	5.8	4.4	3.0	1.8	1.0	15.1
	17	17.1	16.7	16.3	5.9	4.5	3.0	1.8	0.9	16.2
18	18.1	17.6	17.1	6.1	4.6	3.1	1.7	0.9	17.2	



ACEQ1G 1002 MHz (JXP PLATFORM)

1002 MHz cable simulator equalizers have a range of 0 to 9.0 dB in 1.0 dB steps by JXPXXX-0.0 to JXPXXX-9.0 (Note, JXPXXX-XX.X are sold separately)

Product Name	Install JXP dB Value	Nominal Insertion Loss (dB) at xxx MHz								Slope 54-1002
		54	72	91	550	650	750	870	1002	
ACEQ1G 1002 MHz	0	0.0	0.1	0.0	0.2	0.0	0.2	0.2	0.4	-0.4
	1	0.2	0.3	0.3	0.7	0.8	0.9	1.1	1.4	-1.2
	2	0.2	0.3	0.4	1.2	1.4	1.5	1.8	2.3	-2.1
	3	0.1	0.3	0.4	1.7	1.9	2.2	2.6	3.3	-3.2
	4	0.1	0.2	0.4	2.1	2.4	2.8	3.3	4.1	-4.0
	5	0.1	0.2	0.3	2.5	3.0	3.5	4.1	5.3	-5.2
	6	0.1	0.2	0.3	2.9	3.4	4.0	4.7	5.9	-5.8
	7	0.1	0.3	0.3	3.3	4.1	4.9	5.9	7.2	-7.1
	8	0.1	0.3	0.3	3.7	4.5	5.4	6.6	8.2	-8.1
	9	0.1	0.3	0.3	4.0	5.0	6.0	7.0	9.4	-9.3

Forward Equalizers



Forward EQDA 1002 MHz

Part Number: EQDA1G/XX

1002 MHz cable slope equalizers are available from 1 to 18 in 1.0 dB steps and from 20 to 30 dB in 2.0 dB steps

EQ Value (dB)	ACI Part Number	Nominal Insertion Loss (dB) at xx MHz								Slope 54-1002
		54	72	91	550	650	750	870	1002	
0.0	EQDA750/0	-	-	-	-	-	-	-	-	-
1.0	EQDA1G/1	1.6	1.6	1.6	1.2	1.1	0.9	0.8	0.9	0.7
2.0	EQDA1G/2	2.6	2.6	2.5	1.5	1.3	1.2	0.9	0.8	1.8
3.0	EQDA1G/3	3.4	3.3	3.2	1.6	1.4	1.2	1.0	0.8	2.6
4.0	EQDA1G/4	4.1	4.0	3.9	1.9	1.6	1.4	1.1	0.8	3.3
5.0	EQDA1G/5	4.8	4.7	4.6	2.2	1.8	1.4	1.0	0.8	4.0
6.0	EQDA1G/6	5.6	5.5	5.4	2.6	2.2	1.6	1.2	0.8	4.8
7.0	EQDA1G/7	6.3	6.2	6.0	2.8	2.3	1.9	1.3	0.8	5.5
8.0	EQDA1G/8	7.2	7.0	6.7	3.1	2.5	1.9	1.2	0.6	6.6
9.0	EQDA1G/9	8.0	7.8	7.6	3.5	2.9	2.2	1.4	0.8	7.2
10.0	EQDA1G/10	8.9	8.7	8.4	3.9	3.2	2.4	1.5	0.8	8.0
11.0	EQDA1G/11	9.7	9.4	9.0	4.0	3.2	2.3	1.4	0.8	8.9
12.0	EQDA1G/12	10.5	10.1	9.7	4.4	3.6	2.7	1.6	0.8	9.7
13.0	EQDA1G/13	11.1	10.8	10.4	4.5	3.6	2.7	1.6	0.8	10.4
14.0	EQDA1G/14	12.0	11.6	11.1	4.9	3.8	2.8	1.7	0.8	11.2
15.0	EQDA1G/15	12.9	12.4	11.9	5.1	4.0	2.9	1.6	0.8	12.1
16.0	EQDA1G/16	13.5	13.0	12.4	5.3	4.1	3.0	1.7	0.8	12.7
17.0	EQDA1G/17	14.3	13.8	13.3	5.5	4.4	3.2	1.8	0.9	13.4
18.0	EQDA1G/18	15.3	14.8	14.2	6.1	4.8	3.6	2.1	0.8	14.4
20.0	EQDA1G/20	17.1	16.6	15.9	7.1	5.6	4.3	2.7	1.2	15.9
22.0	EQDA1G/22	18.7	18.1	17.4	7.5	6.0	4.5	2.7	1.2	17.5
24.0	EQDA1G/24	20.7	20.0	19.2	8.2	6.5	4.8	2.9	1.1	19.5
26.0	EQDA1G/26	21.7	20.8	19.9	8.5	6.7	5.0	2.9	1.1	20.6
28.0	EQDA1G/28	23.3	22.6	21.7	9.3	7.4	5.5	3.3	1.3	22.1
30.0	EQDA1G/30	24.9	23.9	22.9	9.7	7.7	5.8	3.4	1.2	23.6



Forward CEQ 1002 MHz

Part Number: CEQ1G/XX

1002 MHz cable simulator equalizers are available from 1 to 15 in 1.0 dB steps

EQ Value (dB)	ACI Part Number	Nominal Insertion Loss (dB) at xx MHz								Slope 54-1002
		54	72	91	550	650	750	870	1002	
0.0	EQDA750/0	-	-	-	-	-	-	-	-	-
1.0	CEQ1G/1	0.1	0.1	0.2	0.4	0.1	0.6	0.7	0.9	-0.8
2.0	CEQ1G/2	0.2	0.3	0.4	1.1	0.8	0.8	1.5	1.6	-1.4
3.0	CEQ1G/3	0.1	0.1	0.2	1.7	2.0	2.1	2.3	2.5	-2.4
4.0	CEQ1G/4	0.2	0.2	0.3	2.2	2.5	2.7	3.0	3.3	-3.1
5.0	CEQ1G/5	0.2	0.3	0.5	2.7	1.8	3.3	2.9	3.9	-3.8
6.0	CEQ1G/6	0.1	0.2	0.3	3.3	3.7	4.0	4.5	5.0	-4.8
7.0	CEQ1G/7	0.2	0.3	0.5	3.8	4.3	4.8	5.2	5.7	-5.5
8.0	CEQ1G/8	0.3	0.5	0.8	4.4	5.0	5.5	5.9	6.5	-6.2
9.0	CEQ1G/9	0.2	0.3	0.6	4.9	5.5	6.0	6.6	7.4	-7.2
10.0	CEQ1G/10	0.2	0.5	0.8	5.5	6.2	6.8	7.4	8.0	-7.8
11.0	CEQ1G/11	0.3	0.6	0.9	6.1	6.8	7.5	8.1	8.8	-8.5
12.0	CEQ1G/12	0.2	0.5	0.9	6.6	7.4	8.2	8.7	9.6	-9.4
13.0	CEQ1G/13	0.3	0.6	1.0	6.9	7.9	8.6	9.7	10.7	-10.4
14.0	CEQ1G/14	0.4	0.7	1.1	7.5	8.5	9.4	10.4	11.4	-11.0
15.0	CEQ1G/15	0.4	0.8	1.3	8.1	9.3	10.4	11.5	12.1	-11.6



Forward EQDA 870 MHz
Part Number EQDA870/XX.X

870 MHz cable slope equalizers are available from 1.5 to 21 dB in 1.5 dB steps.

EQ Value (dB)	ACI Part Number	Nominal Insertion Loss (dB) at xx MHz							Slope 54-870
		54	72	91	550	650	750	870	
0.0	EQDA750/0	-	-	-	-	-	-	-	-
1.5	EQDA870/1.5	1.7	1.6	1.6	0.8	0.6	0.7	0.7	1.0
3.0	EQDA870/3	2.8	2.7	2.6	1.1	0.8	0.9	0.7	2.1
4.5	EQDA870/4.5	4.3	4.1	4.0	1.6	1.3	0.9	0.7	3.6
6.0	EQDA870/6	5.2	5.1	5.0	2.3	1.8	1.5	0.8	4.4
7.5	EQDA870/7.5	6.2	6.1	6.0	2.2	1.6	1.2	0.7	5.5
9.0	EQDA870/9	7.4	7.2	7.0	2.6	1.9	1.2	0.9	6.5
10.5	EQDA870/10.5	8.7	8.3	7.9	2.7	1.9	1.1	0.6	8.1
12.0	EQDA870/12	9.8	9.3	8.9	3.4	2.2	1.4	0.6	9.2
13.5	EQDA870/13.5	10.9	10.4	9.8	3.4	2.3	1.5	0.7	10.2
15.0	EQDA870/15	11.6	11.2	9.9	3.4	2.2	1.2	0.6	11.0
16.5	EQDA870/16.5	13.4	12.8	12.3	4.3	3.0	2.1	1.1	12.3
18.0	EQDA870/18	14.5	14.1	13.5	4.7	3.3	2.2	1.1	13.4
19.5	EQDA870/19.5	15.9	15.1	14.4	5.4	3.7	2.6	1.3	14.6
21.0	EQDA870/21	17.0	16.2	15.5	5.4	3.9	2.4	1.1	15.9



Forward CEQ 870 MHz
Part Number: CEQ870/XX.X

870 MHz cable equivalent equalizers are available from 1.5 to 21 dB in 1.5 dB steps.

EQ Value (dB)	ACI Part Number	Nominal Insertion Loss (dB) at xx MHz							Slope 54-870
		54	72	91	550	650	750	870	
0.0	EQDA750/0	-	-	-	-	-	-	-	-
1.5	CEQ870/1.5	0.2	0.3	0.3	1.2	1.2	1.4	1.5	-1.3
3.0	CEQ870/3	0.1	0.2	0.4	2.0	2.1	2.3	2.5	-2.4
4.5	CEQ870/4.5	0.2	0.3	0.5	2.6	2.9	3.3	3.5	-3.3
6.0	CEQ870/6	0.1	0.2	0.3	3.5	3.9	4.4	4.9	-4.8
7.5	CEQ870/7.5	0.3	0.5	0.7	4.1	4.7	5.3	5.9	-5.6
9.0	CEQ870/9	0.3	0.4	0.7	5.1	5.7	6.5	7.2	-6.9
10.5	CEQ870/10.5	0.3	0.6	0.9	6.3	6.9	7.9	8.6	-8.3
12.0	CEQ870/12	0.3	0.6	1.0	6.8	7.7	8.6	9.5	-9.2
13.5	CEQ870/13.5	0.4	0.7	1.1	7.8	8.8	9.7	10.7	-10.3
15.0	CEQ870/15	0.4	0.8	1.3	8.5	9.7	10.8	11.9	-11.5
16.5	CEQ870/16.5	0.5	0.9	1.6	9.4	10.7	11.9	13.1	-12.6
18.0	CEQ870/18	0.6	1.1	1.8	10.2	11.5	12.9	14.2	-13.6
19.5	CEQ870/19.5	0.6	1.2	1.8	11.4	12.5	14.3	15.6	-15.0
21.0	CEQ870/21	0.7	1.3	2.0	11.9	13.5	15.0	16.5	-15.8



Forward EQDA 750 MHz

Part Number: EQDA750/XX.X

750 MHz cable slope equalizers are available from 1.5 to 25.5 dB in 1.5 dB steps.

EQ Value (dB)	ACI Part Number	Nominal Insertion Loss (dB) at xxx MHz						Slope 54-750
		54	72	91	550	650	750	
0.0	EQDA750/0	-	-	-	-	-	-	-
1.5	EQDA750/1.5	1.8	1.8	1.8	0.9	0.9	0.9	0.9
3.0	EQDA750/3	3.1	3.0	2.7	1.3	1.2	1.0	2.1
4.5	EQDA750/4.5	4.2	4.0	3.8	1.6	1.2	1.1	3.1
6.0	EQDA750/6	5.3	5.0	4.8	1.8	1.2	1.1	4.2
7.5	EQDA750/7.5	6.4	6.1	5.8	1.7	1.1	0.8	5.6
9.0	EQDA750/9	7.5	7.1	6.7	2.0	1.2	1.0	6.5
10.5	EQDA750/10.5	8.9	8.4	8.0	2.4	1.7	1.1	7.8
12.0	EQDA750/12	9.9	9.4	8.9	2.6	1.5	1.0	8.9
13.5	EQDA750/13.5	11.1	10.4	9.9	2.8	1.8	1.1	10.0
15.0	EQDA750/15	12.2	11.6	10.9	3.0	2.0	1.1	11.1
16.5	EQDA750/16.5	13.3	12.6	11.9	3.0	1.8	0.9	12.4
18.0	EQDA750/18	14.4	13.8	13.1	3.5	2.2	1.1	13.3
19.5	EQDA750/19.5	15.3	14.4	13.6	3.4	2.0	0.9	14.4
21.0	EQDA750/21	16.6	15.6	14.7	3.7	2.2	1.0	15.6
22.5	EQDA750/22.5	17.4	16.3	15.3	3.7	2.0	1.0	16.4
24.0	EQDA750/24	18.7	17.5	16.6	4.3	2.5	1.2	17.5
22.5	EQDA750/25.5	19.4	18.3	17.3	4.0	2.1	0.8	18.6



Forward CEQ 750 MHz

Part Number: CEQ750/XX.X

750 MHz cable simulator equalizers are available from 1.5 to 21 dB in 1.5 dB steps

EQ Value (dB)	ACI Part Number	Nominal Insertion Loss (dB) at xxx MHz						Slope 54-750
		54	72	91	550	650	750	
0.0	EQDA750/0	-	-	-	-	-	-	-
1.5	CEQ750/1.5	0.0	0.1	0.1	1.1	1.0	1.4	-1.4
3.0	CEQ750/3	0.7	0.8	0.9	2.5	2.8	2.9	-2.2
4.5	CEQ750/4.5	0.5	0.6	0.8	3.2	3.5	3.6	-3.1
6.0	CEQ750/6	0.8	0.9	1.1	4.3	4.7	5.1	-4.3
7.5	CEQ750/7.5	0.8	1.0	1.2	5.6	6.0	6.3	-5.5
9.0	CEQ750/9	0.4	0.6	1.0	5.7	5.8	6.9	-6.5
10.5	CEQ750/10.5	0.3	0.6	0.9	6.6	6.2	8.0	-7.7
12.0	CEQ750/12	0.4	0.8	1.3	7.5	8.3	9.1	-8.7
13.5	CEQ750/13.5	0.3	0.6	1.1	8.1	9.2	10.2	-9.9
15.0	CEQ750/15	0.4	1.0	1.6	9.5	10.6	11.6	-11.2
16.5	CEQ750/16.5	0.6	1.2	1.8	10.7	12.0	13.2	-12.6
18.0	CEQ750/18	0.7	1.3	2.1	11.2	12.6	13.9	-13.2
19.5	CEQ750/19.5	0.7	1.3	2.1	11.9	13.5	14.9	-14.2
21.0	CEQ750/21	0.9	1.4	2.3	13.2	14.7	16.0	-15.1

Reverse Equalizers



AREQDA 42 MHz (JXP PLATFORM)- For use in SDA/ALX 1G only (4 Pin)
 Available from 0 to 12.0 dB in 1.0 dB steps by JXPXXX-0.0 to JXPXXX-12.0
 (Note. JXPXXX-XX.X sold separately)

Product Name	Install JXP dB Value	Nominal Insertion Loss (dB) at xxx MHz				Slope 5-42MHz
		5MHz	10MHz	35MHz	42MHz	
AREQDA 42 MHz	0	0.5	0.4	0.1	0.3	0.2
	1	1.5	1.3	0.3	0.2	1.3
	2	2.3	2.1	0.4	0.2	2.1
	3	3.4	3.1	0.4	0.2	3.2
	4	4.2	3.8	0.5	0.2	4.0
	5	5.3	4.7	0.5	0.2	5.1
	6	6.1	5.5	0.6	0.2	5.9
	7	7.1	6.3	0.7	0.2	6.9
	8	8.0	7.1	0.7	0.2	7.8
	9	9.0	7.9	0.8	0.2	8.8
	10	10.1	8.8	0.9	0.2	9.9
	11	11.0	9.4	0.9	0.3	10.7
12	11.7	10.0	1.0	0.3	11.4	



AREQDA 65 MHz (JXP PLATFORM) SDA/ALX 1G only (4 Pin)
 Available from 0 to 12.0 dB in 1.0 dB steps by JXPXXX-0.0 to JXPXXX-12.0
 (Note, JXPXXX-XX.X sold separately)

Product Name	Install JXP dB Value	Nominal Insertion Loss (dB) at xxx MHz						Slope 5-65MHz
		5MHz	10MHz	35MHz	42MHz	55MHz	65MHz	
AREQDA 65 MHz	0	0.4	0.4	0.4	0.4	0.4	0.4	0.0
	1	1.4	1.4	0.9	0.7	0.5	0.4	1.0
	2	2.4	2.2	1.3	1.0	0.6	0.5	1.9
	3	3.4	3.2	1.8	1.3	0.7	0.5	2.9
	4	4.3	4.1	2.2	1.6	0.7	0.5	3.8
	5	5.4	5.1	2.6	1.9	0.9	0.5	4.9
	6	6.2	6.7	2.9	2.1	0.9	0.5	5.7
	7	7.2	6.8	3.4	2.3	1.1	0.5	6.7
	8	8.2	7.7	3.7	2.6	1.1	0.5	7.7
	9	9.3	8.7	4.1	2.8	1.2	0.5	8.8
	10	10.2	9.7	4.4	3.0	1.3	0.6	9.6
	11	11.2	10.4	4.7	3.3	1.3	0.5	10.7
12	12.1	11.2	4.9	3.4	1.3	0.6	11.5	



AEQDA 85 MHz (JXP PLATFORM) SDA/ALX 1G only (4 Pin)

Available from 0 to 12.0 dB in 1.0 dB steps by JXPXXX-0.0 to JXPXXX-12.0
 (Note, JXPXXX-XX.X sold separately)

Product Name	Install JXP dB Value	Nominal Insertion Loss (dB) at xxx MHz							Slope 5-85MHz
		5MHz	10MHz	35MHz	42MHz	55MHz	65MHz	85MHz	
AREQDA 85 MHz	0	0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.2
	1	1.5	1.4	1.1	1.0	0.7	0.5	0.4	1.1
	2	2.4	2.3	1.8	1.5	0.7	0.7	0.4	2.0
	3	3.4	3.3	2.5	2.1	1.5	1.0	0.4	3.0
	4	4.3	4.2	3.1	2.7	1.8	1.2	0.4	3.9
	5	5.4	5.3	3.9	3.3	2.2	1.4	0.5	4.9
	6	6.3	6.1	4.4	3.7	2.5	1.6	0.5	5.8
	7	7.3	7.1	5.0	4.2	2.8	1.8	0.5	6.8
	8	8.2	8.1	5.6	4.7	3.1	2.0	0.5	7.7
	9	9.4	9.1	6.2	5.2	3.4	2.2	0.6	8.8
	10	10.4	10.0	6.8	5.6	3.7	2.5	0.6	9.8
	11	11.4	11.0	7.3	6.1	4.0	2.5	0.6	10.8
12	12.3	11.8	7.7	6.4	4.2	2.6	0.6	11.7	



ACEQ 204 MHz (JXP PLATFORM) SDA/ALX 1G only (4 Pin)

Available from 0 to 12.0 dB in 1.0 dB steps by JXPXXX-0.0 to JXPXXX-12.0
 (Note, JXPXXX-XX.X sold separately)

Product Name	Install JXP dB Value	Nominal Insertion Loss (dB) at xxx MHz							Slope 5-204MHz
		5MHz	10MHz	35MHz	42MHz	55MHz	85MHz	204MHz	
AREQDA 204 MHz	0	0.5	0.4	0.4	0.4	0.4	0.3	0.5	0.0
	1	1.5	1.4	1.4	1.3	1.2	1.0	0.5	1.0
	2	2.4	2.3	2.2	2.1	2.0	1.6	0.5	1.9
	3	3.4	3.4	3.2	3.1	2.9	2.3	0.5	2.9
	4	4.3	4.3	4.0	3.9	3.7	2.9	0.5	3.8
	5	5.5	5.4	5.1	5.0	4.6	3.6	0.5	5.0
	6	6.3	6.2	5.8	5.7	5.2	4.1	0.5	5.8
	7	7.3	7.2	7.4	6.6	6.1	4.8	0.5	6.8
	8	8.3	8.2	7.7	7.4	6.9	5.3	0.5	7.8
	9	9.4	9.4	8.7	8.4	7.7	6.0	0.5	8.9
	10	10.4	10.3	9.5	9.2	8.4	6.5	0.5	9.9
	11	11.5	11.3	10.4	10.1	9.2	7.0	0.5	11.0
12	12.4	12.3	11.2	10.8	9.8	7.4	0.5	11.9	



AREQBP42 42 MHz (JXP PLATFORM)-

For use in SDA/ALX 750/870/900 MHz & MFT and MFTJ (3-Pin)

Available from 0 to 12.0 dB in 1.0 dB steps by JXPXXX-0.0 to JXPXXX-12.0
 (Note. JXPXXX-XX.X sold separately)

Product Name	Install JXP dB Value	Nominal Insertion Loss (dB) at xxx MHz					Slope 5-42 MHz
		5 MHz	10 MHz	35 MHz	40 MHz	42 MHz	
AREQBP42	0	2.8	3.2	2.3	1.6	0.9	1.9
	1	3.8	4.1	2.3	1.6	0.9	2.9
	2	4.7	4.9	2.4	1.7	0.9	3.8
	3	5.7	5.8	2.5	1.6	0.9	4.8
	4	6.6	6.6	2.6	1.7	0.9	5.7
	5	7.6	7.5	2.6	1.7	0.9	6.7
	6	8.5	8.3	2.7	1.7	0.9	7.6
	7	9.4	9.1	2.8	1.7	0.9	8.5
	8	10.4	9.9	2.8	1.6	0.9	9.5
	9	11.4	10.7	2.9	1.7	0.9	10.5
	10	12.3	11.4	2.9	1.7	0.9	11.4
	11	13.3	12.1	3.0	1.7	0.9	12.4
	12	14.1	12.8	3.0	1.7	0.9	13.2



Reverse EQ 42 MHz SDA 1002 MHz only

Part Number: REQDA42/XX

Available from 0 to 12.0 dB in 1.0 dB steps

Nominal Value (dB cable)	ACI Part Number	Nominal Insertion Loss (dB)					Slope 5-40 MHz
		5 MHz	10 MHz	35 MHz	40 MHz	42 MHz	
0.0	REQDA42/0	-	-	-	-	-	-
1.0	REQDA42/1	1.4	1.2	0.8	0.7	0.7	0.7
2.0	REQDA42/2	1.8	1.5	0.7	0.5	0.5	1.3
3.0	REQDA42/3	2.6	2.1	0.8	0.6	0.5	2.0
4.0	REQDA42/4	3.3	2.7	0.9	0.7	0.6	2.6
5.0	REQDA42/5	4.2	3.2	1.1	0.8	0.7	3.4
6.0	REQDA42/6	4.3	3.5	0.7	0.4	0.3	3.9
7.0	REQDA42/7	5.2	4.0	1.2	0.7	0.6	4.5
8.0	REQDA42/8	5.7	4.5	1.0	0.5	0.4	5.2
9.0	REQDA42/9	6.3	5.1	1.1	0.6	0.4	5.7
10.0	REQDA42/10	7.2	5.8	1.7	0.9	0.6	6.3
11.0	REQDA42/11	7.9	6.3	1.8	0.9	0.7	7.0
12.0	REQDA42/12	8.6	6.9	2.0	1.1	0.8	7.5



Reverse EQ 85 MHz SDA 1002 MHz only
 Part Number: REQDA85/XX

Available from 1 to 12.0 dB in 1.0 dB steps

Nominal Value (dB cable)	ACI Part Number	Nominal Insertion Loss (dB)					Slope 5-85 MHz
		5 MHz	10 MHz	35 MHz	42 MHz	85 MHz	
0.0	*REQDA85/0	-	-	-	-	-	-
1.0	REQDA85/1	1.1	1.0	0.6	0.6	0.2	0.9
2.0	REQDA85/2	1.8	1.6	1.0	0.9	0.3	1.5
3.0	REQDA85/3	2.5	2.3	1.5	1.3	0.2	2.3
4.0	REQDA85/4	3.4	2.9	1.6	1.3	0.1	3.3
5.0	REQDA85/5	4.2	3.6	2.1	1.8	0.2	4.0
6.0	REQDA85/6	5.1	4.3	2.6	2.2	0.3	4.8
7.0	REQDA85/7	5.7	4.8	2.9	2.5	0.4	5.3
8.0	REQDA85/8	6.4	5.6	3.3	2.8	0.4	6.0
9.0	REQDA85/9	7.5	6.5	4.0	3.5	0.5	7.0
10.0	REQDA85/10	8.1	7.1	4.2	3.6	0.5	7.6
11.0	REQDA85/11	8.8	7.7	5.1	4.0	0.5	8.3
12.0	REQDA85/12	9.7	8.6	5.1	4.3	0.5	9.2

* Use P/N REQDA42/0



Reverse Thermal EQ 42 MHz for SDA 1002 MHz only
 Part Number: REQTH42/XX

Available from 1 to 12.0 dB in 1.0 dB steps

NOTE: Thermal Reverse equalizers must not be used in amplifiers that are pedestal mounted underground. These units operate on the assumption that cable temperature will change at the same rate as amplifier temperature, while amplifiers mounted underground vary in temperature far greater than the cable temperature.

Nominal Value (dB cable)	ACI Part Number	Temp	Nominal Insertion Loss (dB)				Slope (dB)
			5 MHz	10 MHz	35 MHz	42 MHz	
1.0	REQTH42/1	-40C	-2.7	-2.5	-2.2	-2.1	0.6
		+25C	-2.7	-2.5	-2.1	-2.0	0.7
		+60C	-2.7	-2.6	-2.1	-2.0	0.7
2.0	REQTH42/2	-40C	-3.3	-3.0	-2.3	-2.2	1.1
		+25C	-3.3	-3.0	-2.2	-2.0	1.3
		+60C	-3.3	-3.0	-2.2	-1.9	1.4
3.0	REQTH42/3	-40C	-3.9	-3.5	-2.7	-2.4	1.5
		+25C	-4.0	-3.6	-2.3	-2.0	2.0
		+60C	-4.0	-3.6	-2.0	-1.7	2.3
4.0	REQTH42/4	-40C	-4.7	-4.1	-2.8	-2.5	2.2
		+25C	-4.7	-4.1	-2.3	-2.0	2.7
		+60C	-4.7	-4.2	-2.0	-1.6	3.1
5.0	REQTH42/5	-40C	-5.2	-4.7	-3.1	-2.7	2.5
		+25C	-5.3	-4.7	-2.5	-2.0	3.3
		+60C	-5.4	-4.7	-2.0	-1.5	3.9
6.0	REQTH42/6	-40C	-5.9	-5.2	-3.3	-2.8	3.1
		+25C	-6.0	-5.0	-2.5	-2.0	4.0
		+60C	-6.0	-5.0	-2.0	-1.5	4.5
7.0	REQTH42/7	-40C	-6.6	-5.9	-3.5	-2.8	3.8
		+25C	-6.7	-5.8	-2.6	-2.0	4.7
		+60C	-6.7	-5.9	-2.0	-1.5	5.2
8.0	REQTH42/8	-40C	-7.2	-6.4	-3.6	-2.9	4.3
		+25C	-7.3	-6.4	-2.7	-2.0	5.3
		+60C	-7.4	-6.4	-2.1	-1.4	6.0
9.0	REQTH42/9	-40C	-7.8	-6.9	-3.7	-2.9	4.9
		+25C	-7.9	-6.9	-2.8	-2.0	5.9
		+60C	-7.9	-7.0	-2.3	-1.5	6.4
10.0	REQTH42/10	-40C	-8.4	-7.4	-3.8	-3.0	5.4
		+25C	-8.6	-7.4	-2.8	-2.0	6.6
		+60C	-8.6	-7.4	-2.2	-1.4	7.2
11.0	REQTH42/11	-40C	-9.2	-8.0	-4.1	-3.1	6.1
		+25C	-9.3	-8.1	-2.9	-2.1	7.2
		+60C	-9.4	-8.2	-2.4	-1.5	7.9
12.0	REQTH42/12	-40C	-9.8	-8.6	-3.8	-3.0	6.8
		+25C	-9.9	-8.7	-2.8	-2.0	7.9
		+60C	-10.0	-8.7	-2.2	-1.4	8.6



Reverse EQ REQ 42 MHz for SDA, ALX: 750, 870, 900 MHz
MFT: 750, 870, 900 MHz and MFTJ: 1002 MHz
 Part Number: REQ42/XX.XB

Available from 0 to 12.0 dB in 1.5 dB steps

Nominal Value (dB cable)	ACI Part Number	Nominal Insertion Loss (dB)					Slope 5-40 MHz
		5 MHz	10 MHz	35 MHz	40 MHz	42 MHz	
0.0	REQ42/0B	3.0	3.2	2.4	1.4	0.8	1.6
1.5	REQ42/1.5B	4.6	4.6	3.2	1.4	1.1	3.2
3.0	REQ42/3B	5.7	5.7	3.4	1.4	0.9	4.3
4.5	REQ42/4.5B	6.4	6.2	3.2	1.4	0.8	5.0
6.0	REQ42/6B	7.2	6.7	3.2	1.4	0.9	5.8
7.5	REQ42/7.5B	8.9	8.1	4.0	1.4	1.2	7.5
9.0	REQ42/9B	10.1	9.3	4.4	1.4	1.3	8.7
10.5	REQ42/10.5B	10.7	9.6	4.1	1.4	1.1	9.3
12.0	REQ42/12B	11.0	9.8	3.7	1.4	0.8	9.6

Linear Forward Equalizers

Linear equalizers have a linear slope that is comparable to the linear loss of the fiber optic cable and are primarily used in the optical nodes.



ALEQ 1002 MHz:
Part Number : ALEQ1G/XX

1002 MHz cable slope equalizers are available from 0 to 18.0 dB in 1.0 dB steps by JXPXXX-0.0 to JXPXXX-18.0 (Note. JXPXXX-XX.X sold separately).

Product Name	Install JXP dB Value	Nominal Insertion Loss (dB) at xxx MHz							Slope 54-1002 MHz
		54 MHz	91 MHz	550 MHz	650 MHz	750 MHz	870 MHz	1002 MHz	
ALEQ 1002 MHz	0	-0.7	-0.7	-0.5	-0.5	-0.5	-0.4	-0.7	0.1
	1	-1.7	-1.7	-1.0	-0.9	-0.8	-0.7	-0.8	0.9
	2	-2.6	-2.6	-1.5	-1.3	-1.1	-0.9	-0.8	1.8
	3	-3.6	-3.6	-2.0	-1.7	-1.4	-1.1	-0.9	2.8
	4	-4.5	-4.5	-2.4	-2.1	-1.7	-1.2	-0.8	3.7
	5	-5.6	-5.5	-2.9	-2.5	-2.0	-1.4	-0.8	4.7
	6	-6.5	-6.4	-3.3	-2.9	-2.3	-1.7	-0.8	5.7
	7	-7.5	-7.3	-3.7	-3.2	-2.5	-1.8	-0.8	6.7
	8	-8.5	-8.3	-4.2	-3.5	-2.8	-1.8	-0.7	7.8
	9	-9.6	-9.4	-4.6	-3.8	-3.0	-1.8	-0.8	8.8
	10	-10.6	-10.3	-5.0	-4.0	-3.0	-1.8	-0.8	9.8
	11	-11.6	-11.3	-5.4	-4.2	-3.2	-1.9	-0.7	10.9
	12	-12.5	-12.1	-5.6	-4.4	-3.3	-1.8	-0.7	11.8
	13	-13.5	-13.1	-6.0	-4.6	-3.4	-1.8	-0.7	12.8
	14	-14.4	-14.0	-6.3	-4.9	-3.6	-1.9	-0.7	13.7
	15	-15.4	-14.9	-6.5	-5.0	-3.5	-1.8	-0.7	14.7
	16	-16.3	-15.7	-6.8	-5.2	-3.8	-2.0	-0.7	15.6
	17	-17.3	-16.7	-7.1	-5.4	-3.8	-2.0	-0.7	16.6
18	-18.4	-17.7	-7.3	-5.5	-3.8	-2.0	-0.7	17.7	



LEQ 1002 MHz:
Part Number : LEQH1G/XX

1002 MHz linear equalizers are available from 1 to 13 dB in 1.0 dB linear steps.

EQ Value dB	ACI Part Number	Nominal Insertion Loss (dB) at xxx MHz								Slope 54-1002
		54	72	91	550	650	750	870	1002	
0.0	*LEQH1G/0	-	-	-	-	-	-	-	-	-
1.0	LEQH1G/1	1.8	1.8	1.8	1.4	1.1	1.0	1.0	0.8	1.0
2.0	LEQH1G/2	3.0	2.9	2.9	1.7	1.6	1.3	0.8	0.8	2.2
3.0	LEQH1G/3	3.6	3.5	3.5	1.9	1.6	1.4	0.9	0.6	3.0
4.0	LEQH1G/4	4.6	4.5	4.4	2.3	1.9	1.5	0.9	0.6	4.0
5.0	LEQH1G/5	5.8	5.8	5.6	3.1	2.6	2.1	1.3	0.7	5.1
6.0	LEQH1G/6	6.6	6.5	6.4	3.3	2.8	2.2	1.3	0.4	6.2
7.0	LEQH1G/7	7.5	7.5	7.4	3.8	3.2	2.4	1.5	0.6	6.9
8.0	LEQH1G/8	8.5	8.3	8.2	4.4	3.6	2.8	1.5	0.6	7.9
9.0	LEQH1G/9	9.8	9.6	9.4	5.0	4.0	3.1	1.8	0.7	9.1
10.0	LEQH1G/10	10.9	10.7	10.4	5.7	4.6	3.5	2.1	1.0	9.9
11.0	LEQH1G/11	12.2	12.0	11.6	6.2	5.0	3.7	2.2	1.1	11.1
12.0	LEQH1G/12	12.9	12.6	12.2	6.5	5.2	3.9	2.3	1.1	11.8
13.0	LEQH1G/13	13.8	13.6	13.3	7.2	5.8	4.4	2.5	0.9	12.9

* Use P/N EQDA750/0



Linear Equalizer LEQ 870 MHz

Part Number: LEQ870/XX.X

870 MHz linear equalizers are available from 1.5 to 15 dB in 1.5 dB steps

EQ Value dB	ACI Part Number	Nominal Insertion Loss (dB) at xxx MHz								Slope 54-870
		54	72	91	550	650	750	870	1002	
0.0	*LEQ870/0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
1.5	LEQ870/1.5	2.0	1.9	2.0	1.2	1.0	0.8	0.6	-	1.4
3.0	LEQ870/3	3.7	3.6	3.5	1.6	1.3	1.1	0.6	-	3.1
4.5	LEQ870/4.5	5.0	4.9	4.8	1.9	1.5	1.0	0.6	-	4.4
6.0	LEQ870/6	6.6	6.5	6.4	3.2	2.4	1.6	0.7	-	5.9
7.5	LEQ870/7.5	8.3	8.1	8.0	3.7	2.8	2.0	1.0	-	7.3
9.0	LEQ870/9	9.7	9.4	9.2	4.1	3.0	1.8	0.7	-	9.0
10.5	LEQ870/10.5	11.2	11.0	10.8	4.8	3.3	2.0	0.8	-	10.4
12.0	LEQ870/12	12.7	12.5	12.2	5.3	3.9	2.4	0.9	-	11.8
13.5	LEQ870/13.5	14.4	14.2	14.0	6.2	4.5	2.9	1.2	-	13.2
15.0	LEQ870/15	16.4	16.2	14.7	7.1	5.2	3.2	1.3	-	15.1

* Use P/N EQDA750/0



Linear Equalizer LEQ 750 MHz

Part Number: LEQDA750/XX.X

750 MHz linear equalizers are available from 1.5 to 15 dB in 1.5 dB steps

EQ Value dB	ACI Part Number	Nominal Insertion Loss (dB) at xxx MHz								Slope 54-750
		54	72	91	550	650	750	870	1002	
0.0	*LEQDA750/0	-	-	-	-	-	-	-	-	-
1.5	LEQDA750/1.5	2.1	2.2	2.2	0.8	0.7	0.5	-	-	1.6
3.0	LEQDA750/3	3.7	3.6	3.6	1.7	1.1	0.7	-	-	3.0
4.5	LEQDA750/4.5	5.0	5.1	5.1	1.9	1.3	0.6	-	-	4.4
6.0	LEQDA750/6	6.7	6.6	6.5	2.3	1.4	0.8	-	-	5.9
7.5	LEQDA750/7.5	8.5	8.3	8.1	2.7	1.5	0.8	-	-	7.7
9.0	LEQDA750/9	9.7	9.4	9.2	3.1	1.8	0.9	-	-	8.8
10.5	LEQDA750/10.5	11.5	11.1	10.8	3.6	2.0	0.8	-	-	10.7
12.0	LEQDA750/12	13.2	12.6	12.3	4.1	2.4	1.0	-	-	12.2
13.5	LEQDA750/13.5	14.5	14.0	13.6	4.3	2.5	1.2	-	-	13.3
15.0	LEQDA750/15	15.8	15.3	15.0	4.6	2.5	0.9	-	-	14.9

* Use P/N EQDA750/0

Attenuator Pads

Attenuator pads are used to adjust the RF signal level inputs and outputs in a node or amplifier.



**Standard Attenuator 0.45” Tall JXP Style Pads
For SDA 1002 interstage only
Part Number: JXP045-XX.X**

Attenuator pads are available from 0 to 20.0 dB in 0.5 dB steps and a 75 OHM terminating pad.

Nominal Value (dB)	ACI Part Number	Nominal Insertion Loss Tolerance 5-1200 MHz		Nominal Value (dB)	ACI Part Number	Nominal Insertion Loss Tolerance 5-1200 MHz
0.0	JXP045-0.0	±0.15		10.5	JXP045-10.5	±0.25
0.5	JXP045-0.5	±0.25		11.0	JXP045-11.0	±0.25
1.0	JXP045-1.0	±0.25		11.5	JXP045-11.5	±0.25
1.5	JXP045-1.5	±0.25		12.0	JXP045-12.0	±0.25
2.0	JXP045-2.0	±0.25		12.5	JXP045-12.5	±0.25
2.5	JXP045-2.5	±0.25		13.0	JXP045-13.0	±0.25
3.0	JXP045-3.0	±0.25		13.5	JXP045-13.5	±0.25
3.5	JXP045-3.5	±0.25		14.0	JXP045-14.0	±0.25
4.0	JXP045-4.0	±0.25		14.5	JXP045-14.5	±0.25
4.5	JXP045-4.5	±0.25		15.0	JXP045-15.0	±0.25
5.0	JXP045-5.0	±0.25		15.5	JXP045-15.5	±0.50
5.5	JXP045-5.5	±0.25		16.0	JXP045-16.0	±0.50
6.0	JXP045-6.0	±0.25		16.5	JXP045-16.5	±0.50
6.5	JXP045-6.5	±0.25		17.0	JXP045-17.0	±0.50
7.0	JXP045-7.0	±0.25		17.5	JXP045-17.5	±0.50
7.5	JXP045-7.5	±0.25		18.0	JXP045-18.0	±0.25
8.0	JXP045-8.0	±0.25		18.5	JXP045-18.5	±0.25
8.5	JXP045-8.5	±0.25		19.0	JXP045-19.0	±0.25
9.0	JXP045-9.0	±0.25		19.5	JXP045-19.5	±0.25
9.5	JXP045-9.5	±0.25		20.0	JXP045-20.0	±0.30
10.0	JXP045-10.0	±0.25		75 OHM	JXP045-TERM	N / A



**Standard Attenuator 1.0” Tall JXP Style Pads
For ACION 1002 MH and MFTJ with AEQ's
Part Number: JXP100-XX.X**

Attenuator pads are available from 0 to 20.0 dB in 0.5 dB steps and a 75 OHM terminating pad.

Nominal Value (dB)	ACI Part Number	Nominal Insertion Loss Tolerance 5-1200 MHz		Nominal Value (dB)	ACI Part Number	Nominal Insertion Loss Tolerance 5-1200 MHz
0.0	JXP100-0.0	±0.20		10.5	JXP100-10.5	±0.30
0.5	JXP100-0.5	±0.20		11.0	JXP100-11.0	±0.30
1.0	JXP100-1.0	±0.30		11.5	JXP100-11.5	±0.30
1.5	JXP100-1.5	±0.30		12.0	JXP100-12.0	±0.30
2.0	JXP100-2.0	±0.30		12.5	JXP100-12.5	±0.30
2.5	JXP100-2.5	±0.30		13.0	JXP100-13.0	±0.30
3.0	JXP100-3.0	±0.30		13.5	JXP100-13.5	±0.30
3.5	JXP100-3.5	±0.30		14.0	JXP100-14.0	±0.30
4.0	JXP100-4.0	±0.30		14.5	JXP100-14.5	±0.30
4.5	JXP100-4.5	±0.30		15.0	JXP100-15.0	±0.30
5.0	JXP100-5.0	±0.30		15.5	JXP100-15.5	±0.30
5.5	JXP100-5.5	±0.30		16.0	JXP100-16.0	±0.30
6.0	JXP100-6.0	±0.30		16.5	JXP100-16.5	±0.30
6.5	JXP100-6.5	±0.30		17.0	JXP100-17.0	±0.30
7.0	JXP100-7.0	±0.30		17.5	JXP100-17.5	±0.30
7.5	JXP100-7.5	±0.30		18.0	JXP100-18.0	±0.30
8.0	JXP100-8.0	±0.30		18.5	JXP100-18.5	±0.30
8.5	JXP100-8.5	±0.30		19.0	JXP100-19.0	±0.30
9.0	JXP100-9.0	±0.30		19.5	JXP100-19.5	±0.30
9.5	JXP100-9.5	±0.30		20.0	JXP100-20.0	±0.30
10.0	JXP100-10.0	±0.30		75 OHM	JXP100-TERM	N / A



Standard Attenuator 1.38" Tall JXP Style Pads

Part Number: JXP138-XX.X

Attenuator pads are available from 0 to 20.0 dB in 0.5 dB steps and a 75 OHM terminating pad.

Nominal Value (dB)	ACI Part Number	Nominal Insertion Loss Tolerance 5-1200 MHz		Nominal Value (dB)	ACI Part Number	Nominal Insertion Loss Tolerance 5-1200 MHz
0.0	JXP138-0.0	±0.20		10.5	JXP138-10.5	±0.30
0.5	JXP138-0.5	±0.20		11.0	JXP138-11.0	±0.30
1.0	JXP138-1.0	±0.30		11.5	JXP138-11.5	±0.30
1.5	JXP138-1.5	±0.30		12.0	JXP138-12.0	±0.30
2.0	JXP138-2.0	±0.30		12.5	JXP138-12.5	±0.30
2.5	JXP138-2.5	±0.30		13.0	JXP138-13.0	±0.30
3.0	JXP138-3.0	±0.30		13.5	JXP138-13.5	±0.30
3.5	JXP138-3.5	±0.30		14.0	JXP138-14.0	±0.30
4.0	JXP138-4.0	±0.30		14.5	JXP138-14.5	±0.30
4.5	JXP138-4.5	±0.30		15.0	JXP138-15.0	±0.30
5.0	JXP138-5.0	±0.30		15.5	JXP138-15.5	±0.30
5.5	JXP138-5.5	±0.30		16.0	JXP138-16.0	±0.30
6.0	JXP138-6.0	±0.30		16.5	JXP138-16.5	±0.30
6.5	JXP138-6.5	±0.30		17.0	JXP138-17.0	±0.30
7.0	JXP138-7.0	±0.30		17.5	JXP138-17.5	±0.30
7.5	JXP138-7.5	±0.30		18.0	JXP138-18.0	±0.30
8.0	JXP138-8.0	±0.30		18.5	JXP138-18.5	±0.30
8.5	JXP138-8.5	±0.30		19.0	JXP138-19.0	±0.30
9.0	JXP138-9.0	±0.30		19.5	JXP138-19.5	±0.30
9.5	JXP138-9.5	±0.30		20.0	JXP138-20.0	±0.30
10.0	JXP138-10.0	±0.30		75 OHM	JXP138-TERM	N / A



Thermal Reverse Path Attenuator 1.38” Tall JXP Style Pads
 Part Number: THJXP138-XX

Thermally compensating reverse path attenuator pads are available from 2.0 to 20.0 dB in 1.0 dB steps.

NOTE: Thermal reverse path pads must not be used in amplifiers that are pedestal mounted underground. These units operate on the assumption that cable temperature will change at the same rate as amplifier temperature, while amplifiers mounted underground vary in temperature far greater than the cable temperature.

Nominal Value (dB)	ACI Part number	Nominal Insertion loss (dB)				
		5 MHz	42 MHz	55 MHz	65 MHz	85 MHz
2.0	THJXP138-2.0	-1.9	-1.9	-1.9	-1.9	-2.0
3.0	THJXP138-3.0	-3.0	-3.0	-3.0	-3.0	-3.0
4.0	THJXP138-4.0	-3.9	-4.0	-4.0	-4.0	-4.0
5.0	THJXP138-5.0	-4.8	-4.8	-4.8	-4.9	-4.9
6.0	THJXP138-6.0	-5.9	-6.0	-6.0	-6.0	-6.0
7.0	THJXP138-7.0	-6.9	-7.0	-6.9	-7.0	-7.0
8.0	THJXP138-8.0	-8.1	-8.1	-8.1	-8.1	-8.1
9.0	THJXP138-9.0	-8.9	-8.9	-8.9	-9.0	-9.0
10.0	THJXP138-10.0	-10.0	-10.0	-10.0	-10.1	-10.1
11.0	THJXP138-11.0	-11.2	-11.1	-11.1	-11.2	-11.2
12.0	THJXP138-12.0	-12.1	-12.1	-12.1	-12.2	-12.2
13.0	THJXP138-13.0	-13.2	-13.2	-13.1	-13.2	-13.2
14.0	THJXP138-14.0	-14.2	-14.2	-14.1	-14.2	-14.2
15.0	THJXP138-15.0	-15.2	-15.2	-15.2	-15.2	-15.2
16.0	THJXP138-16.0	-16.1	-16.1	-16.1	-16.2	-16.1
17.0	THJXP138-17.0	-17.1	-17.1	-17.1	-17.1	-17.1
18.0	THJXP138-18.0	-18.1	-18.1	-18.1	-18.1	-18.1
19.0	THJXP138-19.0	-19.2	-19.1	-19.1	-19.2	-19.1
20.0	THJXP138-20.0	-20.0	-19.9	-20.0	-20.0	-20.0

Notes:

1. Nominal Insertion loss is measured at 45° C
2. Typical input/output return loss at 5-85 MHz -25 dB
3. Typical Flatness 5-85 MHz ±0.25 dB
4. Thermal compensation typical for 2.0 to 3.0 dB values +0.4 @ 85° C -0.3 dB at -25° C
5. Thermal compensation typical for 4.0 to 20.0 dB values +0.6 @ 85° C -0.8 dB at -25° C



Attenuator Pads with Breakaway Handles
 Part Number: JXP137B-XX

Available from 0 to 26.0 dB in 1.0 dB steps

Nominal Value (dB)	ACI Part Number	Nominal Insertion Loss 5-1200 MHz	Nominal Value (dB)	ACI Part Number	Nominal Insertion Loss 5-1200 MHz
0.0	JXP137B-0	±0.20	14.0	JXP137B-14	±0.30
1.0	JXP137B-1	±0.30	15.0	JXP137B-15	±0.30
2.0	JXP137B-2	±0.30	16.0	JXP137B-16	±0.30
3.0	JXP137B-3	±0.30	17.0	JXP137B-17	±0.30
4.0	JXP137B-4	±0.30	18.0	JXP137B-18	±0.30
5.0	JXP137B-5	±0.30	19.0	JXP137B-19	±0.30
6.0	JXP137B-6	±0.30	20.0	JXP137B-20	±0.30
7.0	JXP137B-7	±0.30	21.0	JXP137BB-21	±0.30
8.0	JXP137B-8	±0.30	22.0	JXP137BB-22	±0.30
9.0	JXP137B-9	±0.30	23.0	JXP137BB-23	±0.30
10.0	JXP137B-10	±0.30	24.0	JXP137BB-24	±0.30
11.0	JXP137B-11	±0.30	25.0	JXP137BB-25	±0.30
12.0	JXP137B-12	±0.30	26.0	JXP137BB-26	±0.30
13.0	JXP137B-13	±0.30			



Standard Attenuator Pads with Short Handle

Part Number: SXPXX.XT

Attenuator short handled pads are available from 0 to 20.0 dB in 0.5 dB steps and a 75 OHM terminating pad.

Nominal Value (dB)	ACI Part Number	Insertion Loss (± 0.15 dB @ 1002 MHz)		Nominal Value (dB)	ACI Part Number	Insertion Loss (± 0.15 dB @ 1002 MHz)
0.0	SXP0T	0.0		10.5	SXP10.5T	10.5
0.5	SXP.5T	0.5		11.0	SXP11T	11.0
1.0	SXP1T	1.0		11.5	SXP11.5T	11.5
1.5	SXP1.5T	1.5		12.0	SXP12T	12.0
2.0	SXP2T	2.0		12.5	SXP12.5T	12.5
2.5	SXP2.5T	2.5		13.0	SXP13T	13.0
3.0	SXP3T	3.0		13.5	SXP13.5T	13.5
3.5	SXP3.5T	3.5		14.0	SXP14T	14.0
4.0	SXP4T	4.0		14.5	SXP14.5T	14.5
4.5	SXP4.5T	4.5		15.0	SXP15T	15.0
5.0	SXP5T	5.0		15.5	SXP15.5T	15.5
5.5	SXP5.5T	5.5		16.0	SXP16T	16.0
6.0	SXP6T	6.0		16.5	SXP16.5T	16.5
6.5	SXP6.5T	6.5		17.0	SXP17T	17.0
7.0	SXP7T	7.0		17.5	SXP17.5T	17.5
7.5	SXP7.5T	7.5		18.0	SXP18T	18.0
8.0	SXP8T	8.0		18.5	SXP18.5T	18.5
8.5	SXP8.5T	8.5		19.0	SXP19T	19.0
9.0	SXP9T	9.0		19.5	SXP19.5T	19.5
9.5	SXP9.5T	9.5		20.0	SXP20T	20.0
10.0	SXP10T	10.0		75 OHM	SXP75T	N/A



Standard Attenuator Pads with Long Handle

Part Number: SXPLXX.XT

Standard long handled attenuator pads are available from 0 to 20 dB in 0.5 dB steps and a 75 OHM terminating pad

Nominal Value (dB)	ACI Part Number	Insertion Loss (± 0.15 dB @ 1002 MHz)		Nominal Value (dB)	ACI Part Number	Insertion Loss (± 0.15 dB @ 1002 MHz)
0.0	SXPL0T	0.0		10.5	SXPL10.5T	10.5
0.5	SXPL.5T	0.5		11.0	SXPL11T	11.0
1.0	SXPL1T	1.0		11.5	SXPL11.5T	11.5
1.5	SXPL1.5T	1.5		12.0	SXPL12T	12.0
2.0	SXPL2T	2.0		12.5	SXPL12.5T	12.5
2.5	SXPL2.5T	2.5		13.0	SXPL13T	13.0
3.0	SXPL3T	3.0		13.5	SXPL13.5T	13.5
3.5	SXPL3.5T	3.5		14.0	SXPL14T	14.0
4.0	SXPL4T	4.0		14.5	SXPL14.5T	14.5
4.5	SXPL4.5T	4.5		15.0	SXPL15T	15.0
5.0	SXPL5T	5.0		15.5	SXPL15.5T	15.5
5.5	SXPL5.5T	5.5		16.0	SXPL16T	16.0
6.0	SXPL6T	6.0		16.5	SXPL16.5T	16.5
6.5	SXPL6.5T	6.5		17.0	SXPL17T	17.0
7.0	SXPL7T	7.0		17.5	SXPL17.5T	17.5
7.5	SXPL7.5T	7.5		18.0	SXPL18T	18.0
8.0	SXPL8T	8.0		18.5	SXPL18.5T	18.5
8.5	SXPL8.5T	8.5		19.0	SXPL19T	19.0
9.0	SXPL9T	9.0		19.5	SXPL19.5T	19.5
9.5	SXPL9.5T	9.5		20.0	SXPL20T	20.0
10.0	SXPL10T	10.0		75 OHM	SXPL75T	75.0



Thermal Reverse Path Attenuator Pads with Long Handle

Part Number: THPL-XX.X

Thermally compensating reverse path attenuator pads are available from 1.5 to 20.0 dB in 0.5 dB steps.

Nominal Value (dB)	ACI Part number	Nominal Insertion loss (dB)			
		5 MHz	42 MHz	55 MHz	65 MHz
1.5	THPL-1.5	1.5	1.5	1.5	1.5
2.0	THPL-2.0	2.0	2.0	2.0	2.0
2.5	THPL-2.5	2.4	2.4	2.4	2.4
3.0	THPL-3.0	3.0	3.0	3.0	3.0
3.5	THPL-3.5	3.5	3.4	3.4	3.4
4.0	THPL-4.0	4.0	4.0	4.0	4.0
4.5	THPL-4.5	4.5	4.5	4.5	4.5
5.0	THPL-5.0	5.0	5.0	5.0	5.0
5.5	THPL-5.5	5.6	5.6	5.6	5.6
6.0	THPL-6.0	6.0	6.0	6.1	6.1
6.5	THPL-6.5	6.6	6.6	6.7	6.7
7.0	THPL-7.0	7.0	7.0	7.0	7.0
7.5	THPL-7.5	7.6	7.6	7.7	7.7
8.0	THPL-8.0	8.1	8.1	8.1	8.1
8.5	THPL-8.5	8.6	8.6	8.7	8.7
9.0	THPL-9.0	8.9	8.9	8.9	8.9
9.5	THPL-9.5	9.6	9.6	9.6	9.6
10.0	THPL-10.0	10.1	10.0	10.1	10.1
10.5	THPL-10.5	10.7	10.7	10.7	10.7
11.0	THPL-11.0	11.3	11.3	11.3	11.3
11.5	THPL-11.5	11.6	11.6	11.6	11.6
12.0	THPL-12.0	12.2	12.3	12.3	12.3
12.5	THPL-12.5	12.8	12.8	12.8	12.8
13.0	THPL-13.0	13.2	13.2	13.2	13.2
13.5	THPL-13.5	13.6	13.7	13.7	13.7
14.0	THPL-14.0	14.3	14.3	14.3	14.3
14.5	THPL-14.5	14.7	14.7	14.7	14.7
15.0	THPL-15.0	15.2	15.3	15.3	15.3
15.5	THPL-15.5	15.6	15.7	15.7	15.7
16.0	THPL-16.0	16.2	16.2	16.2	16.2
16.5	THPL-16.5	16.6	16.6	16.6	16.6
17.0	THPL-17.0	17.1	17.1	17.1	17.1
17.5	THPL-17.5	17.6	17.6	17.6	17.6
18.0	THPL-18.0	18.1	18.2	18.2	18.2
18.5	THPL-18.5	18.6	18.6	18.6	18.6
19.0	THPL-19.0	19.1	19.1	19.1	19.1
19.5	THPL-19.5	19.7	19.7	19.7	19.7
20.0	THPL-20.0	20.0	20.0	20.0	20.0

Notes:

1. Typical input/output return loss at 870 17 dB
2. Thermal compensation typical for 1.5 to 2.5 dB values +0.4 @ 85° C -0.3 dB at -25° C
3. Thermal compensation typical for 3.0 to 20.0 dB values +0.6 @ 85° C -0.8 dB at -25° C

Jumper / Splitter / Directional Couplers

On the 750 or 870 MHz SDAF 2 or 3 output bridger amplifiers the plug-in splitter or directional couplers are used to split the signal feeding ports 2 & 4. The splitter will produce two equal outputs, while a coupler will produce two different levels. The Jumper is used to have either port 2 or 4 active. (Please see the SDA operations manual for a more detailed explanation on configuring the output ports in the SDAF)

On the ACION 1000 & 1002 1 or 2 output optical node the 3.5 dB splitter is used for the standard 2 equal output version and the jumper is used to have either port 2 or 4 active for a single output node.



100355-01



SDASPLTR3.5



SDADC7



SDADC12

Part Number	Description	Leg	Frequency MHz									
			54	70	85	105	550	650	750	870	1002	
100355-01	Jumper	Thru										
SDASPLTR3.5	SPLITTER 3.5 dB	Thru	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.6	
		Tap	3.3	3.3	3.3	3.3	3.4	3.5	3.6	3.6	3.8	
SDADC7	DIR COUPLER 7 dB	Thru	2.2	2.2	2.2	2.2	2.5	2.6	2.7	2.9	3.2	
		Tap	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7.1	7.0	
SDADC12	DIR COUPLER 12 dB	Thru	0.9	0.9	0.9	0.9	1.1	1.2	1.2	1.3	1.3	
		Tap	12.0	12.0	12.0	12.0	11.9	11.9	11.9	11.9	12.0	

Jumper / Splitter / Directional Couplers

On the 1002 MHz SDAF 2 or 3 output bridger amplifiers the plug-in splitter or directional couplers are used to split the signal feeding ports 2 & 4. The splitter will produce two equal outputs, while a coupler will produce two different levels. The Jumper is used to have either port 2 or 4 active. (Please see the SDA operations manual for a more detailed explanation on configuring the output ports in the SDAF)



Part Number	Description	Leg	Frequency MHz									
			54	70	85	105	550	650	750	870	1002	
088325-01	Jumper	Thru										
SDA1G-SPLTR3.5	SPLITTER 3.5 dB	Thru	3.4	3.4	3.3	3.3	3.5	3.6	3.6	3.5	3.6	
		Tap	3.4	3.4	3.4	3.3	3.5	3.6	3.6	3.7	3.8	
SDA1G-DC7	DIR COUPLER 7 dB	Thru	1.9	1.8	1.9	1.9	1.9	2.0	2.0	2.1	2.2	
		Tap	6.5	6.4	6.4	6.4	6.3	6.3	6.3	6.3	6.2	
SDA1G-DC12	DIR COUPLER 12 dB	Thru	0.9	0.9	0.9	0.9	0.9	1.0	0.9	1.0	1.0	
		Tap	12.0	12.1	12.1	12.1	12.0	12.0	12.0	12.0	11.9	

Digital Station Intelligence Manager [DSIM®]

The Digital Station Intelligence Manager (DSIM) product line is the next generation of automatic gain control modules that provides the outside plant maintenance team with station diagnostic tools that are unprecedented in the industry. The DSIM AGC module is agile that allows the program settings to be modified at any time to change the pilot channel number and type from analog to digital or to change the operational mode into the SPAGC, T-Bode or manual modes of operation. Having this flexibility to reprogram the DSIM modules is a huge cost savings when doing system modifications over the fixed SPAGC or T-bode modules since only the program settings need to be changed instead of having to change out the entire AGC fixed module.

The DSIM module can be programmed to operate as a single pilot AGC or a thermal Bode AGC. In the SPAGC mode the DSIM can be programmed to use either an analog or digital pilot signal from channels 55 to 142. If the pilot channel is lost, the DSIM module will default into a thermal bode TGC mode and then return to the single pilot SPAGC mode automatically once the pilot channel has been restored. In the thermal bode AGC mode the DSIM module can be programmed by the operator to have the upfront cable compensation settings at 9, 18, or 27 dB. The DSIM incorporates a bi-colored blue and orange LED that indicates the different operational modes and settings of the DSIM during setup and operation.

The DSIM controller is used to set the DSIM module's pilot channel and to change into the different operational modes during the amplifier setup. The bi-colored blue and red LED indicator's blinking patterns will denote the current optional mode setting.

The DSIM modules will be configured at the factory to have the default channel 88 digital (609.00 MHz) pilot channel programmed. The DSIM controller is used to set the DSIM modules to the customer selected pilot channel. In the setup of the DSIM module the pilot channel that is programmed into the controller is downloaded into the memory of the DSIM module. The pilot channel setting in the DSIM module can be changed in the future by simply using a controller with the new desired pilot channel programmed.

ACI offers nine different types of the DSIM AGC modules:

- The DSIM-A is a direct drop-in replacement for conventional analog AGC module for ACI's SDA series amplifiers.
- The DSIM-GI is a direct drop-in replacement for conventional analog AGC module for Motorola® /GI BLE, MB and BT (Post 750-D/H with 6 pins).
- The DSIM-JD is a direct drop-in replacement for conventional analog AGC module for Jerold® JLX Line Extender & MB's (750-D/H with 5 pins).
- The DSIM-SG is a direct drop-in replacement for conventional analog AGC module for Scientific Atlanta® GainMaker® amplifiers.
- The DSIM-SS is a direct drop-in replacement for conventional analog AGC module for Scientific Atlanta® System Type 1, 2 & 3 amplifiers
- The DSIM-AF is a direct drop-in replacement for conventional analog AGC module for Antec® Flamethrower Mini Bridger
- The DSIM-MV is a direct drop-in replacement for conventional analog AGC module for Phillips®/C-cor® /Magnavox® GNA, TNA & Diamond Type 1, 2 & 3.

- The DSIM-CC is a direct drop-in replacement for conventional analog AGC module for C-Cor® Flexnet E7 series LE Line Extender amplifiers.
- The DSIM-CF is a direct drop-in replacement for conventional analog AGC module for C-Cor® Flexnet FNT & FNB 700 amplifiers.

Automatic Gain Controllers Models



DSIM-A for use in ACI's Supper Distribution Amplifiers
SDA/ALX
P/N DSIM-A-MDL-01



DSIM-GI for use in Motorola® Amplifiers
BLE, MB and BT (Post 750-D/H with 6 pins)
P/N DSIM-GI-MDL-01



DSIM-JD for use in Jerold® Amplifiers
JLX Line Extender & MB's (750-D/H with 5 pins)
P/N DSIM-JD-MDL-01



DSIM-SG for use in Scientific Atlanta® Amplifiers
GainMaker
P/N DSIM-SG-MDL-01



DSIM-AF for use in
Antec® Flamethrower Mini Bridger
P/N DSIM-AF-MDL-01

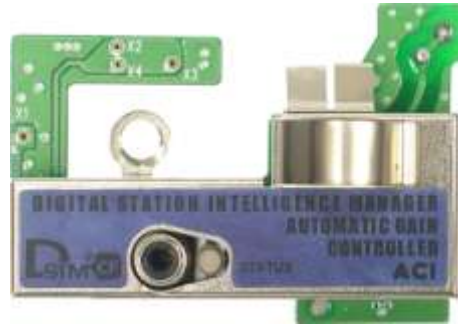


DSIM-MV for use in Magnavox® Amplifiers
GNA, TNA & Diamond Type 1, 2 & 3
P/N DSIM-MV-MDL-01

Automatic Gain Controllers Models



DSIM-CC for use in
Flexnet E7 series LE
P/N DSIM-AF-MDL-01



DSIM-CF for use in
Flexnet FNT & FNB 700
P/N DSIM-CF-MDL-01



DSIM-SS for use in
SA System Amplifiers
P/N DSIM-SS-MDL-01 (without EQ)
P/N DSIM-SS-MDL-02 (with EQ)

Digital Station Intelligence Manager Accessories

DSIM Controller



The universal DSIM controller can be used to setup the all of the DSIM AGC modules. The tool is used to set the DSIM pilot channel or T-bode cable settings. The bi-colored blue and red LED indicator's blinking patterns will denote the current operational mode setting.

P/N DSCT-xxx-yyy
xxx = Pilot Channel Number
yyy = Channel Type
IRC = Analog IRC Spacing
DIG = Digital / QAM

DSIM Tablet:



The DSIM Tablet is a communications tool that is used for setting up the DSIM AGC module. It can also be used to view the DSIM settings and performance data in real time or up to 40 days of stored data can be downloaded from the DSIM module into the tablet's memory for analysis. The tablet is setup with a Bluetooth communication signal path to a dongle that plugs into the DSIM AGC modules.

Android Tablet:
P/N DSIM-TABLET-01

Android Bluetooth Dongle:
P/N DSIM-DONGLE-03

Apple iOS Bluetooth Dongle:
P/N DSIM-DONGLE-02

DSMC Software



The DSMC is a software program that can be used on a laptop for setting up the DSIM AGC modules. It can also be used to view the DSIM settings and performance data in real time or up to 40 days of stored data can be downloaded from the from the DSIM module into the laptop's memory for analysis. ACI offers a cable assembly P/N 240327-01 that makes the connection from the laptop to the DSIM module.

Software Program:
P/N DSMC

PC Interface cable assembly:
P/N 240327-01





DSIM[®] Interface Cable

On the DSIM-GI, JD, SG & MV modules an interface cable assembly is needed to make the connection to the DSIM module through the small opening in the RF module cover. This interface cable assembly is required to use all of the DSIM accessories, controller, Bluetooth dongle for the table tablet and DSMC laptop interface cable assembly.

P/N 240330-01



DSIM-GI AGC module with Interface cable attached to the DSIM controller

Manual Gain Control Units

SDA amplifiers can function as manual gain control units by installing an AGC bypass instead of the automatic control module. The amplifier's plug-in attenuator pads and equalizers control the amplifier's output levels with an obvious reduction in level stability over temperature.

NOTE: For correct operation of the station, the bandwidth of the AGC bypass must match the upper forward bandwidth of the station.



AGC Bypass for 750, 870 or 900 MHz SDA & ALX stations

Part Number: 080842



AGC Bypass for 1002 MHz SDA stations

Part Number: AGC-BYPASS-1G

General Accessories and Tools



RF 5/8 port plug
Part number: H5/8PLUG

All unused RF output ports must have a 5/8" port plug installed to ensure a weather-tight seal of the housing.



Port dielectric insert
Part number: 030770-01

The active RF output ports use a dielectric insert to accept pin connectors.



Seizure connector (15 Amp)
Part number: 100633-01



Seizure connector (10 Amp)
Part number: 100316



Test adapter for test probe
Part number: 100677

ACI offers a test probe adapter that allows measurement of the RF levels at the seizure screw via the standard test point RF probe helpful for troubleshooting RF input levels.



RF probe for test points 1.57" Long

Part number: TP-7504

Coaxial test points allow technicians to measure the signal strength while connected in the system. The test points are coupled from the main signal path via a -20 dB coupler and each test point loss is verified to be within a stated tolerance. This allows very accurate measurement of the signal level at various locations in the station.



RF probe for test points 5.5" Long

Part number: 100685-01

Coaxial test points allow technicians to measure the signal strength while connected in the system. The test points are coupled from the main signal path via a -20 dB coupler and each test point loss is verified to be within a stated tolerance. This allows very accurate measurement of the signal level at various locations in the station.



Test point cable through housing

Part number: 240310

The test point through the housing cable assembly allows any of the SDA or ALX amplifier's RF test points to be accessed from outside the amplifier housing. Technicians can use this cable to measure ingress in the forward and reverse paths by allowing the signal monitoring on a unit with the housing secured tightly and more accurately representing the amplifier's intended operating environment.



Equalizer puller

Part number: 130311

ACI offers an equalizer puller tool that simplifies the installation and extraction of the equalizers from the amplifier. This tool also prevents the equalizer pins from being bent or broken during the installation and extraction. This tool will give you better control with a larger gripping surface area and view of the equalizer because your hand will not be in the way when the equalizer is installed or extracted.



Surge Protection (Sidactor)

Part number: 090689-01 Version 2 (Yellow)

To provide a higher level of protection, ACI recommends the use of an optional sidactor on all cabled powered (40-90 VAC) stations.

Reverse rejection 8 & 14 MHz filters (SDA 1002 MHz, ACION 1002 and ACION 3422 only)

Ingress noise represents one of the major disturbances that affect upstream data transmission in broadband networks. The reverse noise rejection 8 MHz filter suppresses signals below 8 MHz with at least 30 dB of attenuation and passes signals above 13 MHz with minimal insertion loss. The 14 MHz filter suppresses signals below 14 MHz with at least 30 dB of attenuation and passes signals above 20 MHz with minimal insertion loss. The noise rejection filters prevent narrowband AM modulation carriers, such as short-wave radio signals, and any other interference from being introduced into the reverse path via an external source. Managing ingress noise in the upstream plant is crucial for data carrier performance, especially in broadband networks in which the reverse path is increasingly used for advanced services including video on demand and voice over IP. The reverse noise rejection 8 MHz or 14 MHz filter is a simple small plug-in that is a vital component for implementing these types of services.



14 MHz Reverse rejection filter
P/N RPRFLTR-14



8 MHz Reverse rejection filter
P/N RPRFLTR-8



Reverse rejection filter bypass
P/N: RPRFLTR-JMP

		RPRFLTR-8	RPRFLTR-14
Pass Band	Bandwidth, MHz	13 - 200	20 - 200
	Insertion Loss, dB (MIN)	-1.50 @ 13-20 MHz	-
	Insertion Loss, dB (MIN)	-1.00 @ 20-200 MHz	-1.00 @ 20-200 MHz
	Input Return Loss, dB	-18 (MAX)	-18 (MAX)
	Output Return Loss, dB	-18 (MAX)	-18 (MAX)
Stop Band	Bandwidth, MHz	5-8	5-14
	Attenuation, dB	-30 (MAX)	-30 (MAX)



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