

*FR 5019  
Downstream  
Optical Receiver*



The FR 5019 is a 19" rack mount downstream 1310 /1550 nm receiver.

**Features:**

- 1U 19 inch rack housing
- 45 to 870 forward bandwidth
- AGC / MGC (automatic/ manual) gain control mode
- +1 dB to -3 dB adjustable slope range
- Front panel LCD display
- Microprocessor control & monitoring
- Redundancy A/B switch receiver
- RS 485 control interface

## Specifications

<b>ACI Communications, Inc.</b>				FR5019 Downstream Optical Receiver
Optical Parameters				
PARAMETERS	CONDITIONS	UNIT	SPECIFICATIONS	
Wavelength		nm	1310 / 1550 ±20	
Optical module			2 with AB switch	
Input power		dBm	+3 to -10	
Connector type			SC / APC; FC / APC	
Detector			In GaAs PIN	
RF Parameters				
Frequency response		MHz	48 to 870	
Output level		dBmV /Ch	36 (3 dBm input, OMI = 3.6%)	
Flatness		dB	≤1.5 peak to valley	
Control interface			RS 485	
RF test point		-dB	20	
Input impedance		Ω	75	
Return loss	min.	dB	16	
Power				
Power supply		VAC, Hz	90 to 260, 50 / 60	
AC power consumption	max.	W	30	
Environmental				
Operating Temperature		°C	0 to 50	
Storage temperature		°C	-20 to +70	
Relative humidity	max.	%	85	
Physical				
Dimension	d x w x h	mm	350 x 485 x 45	
Weight		Kg	<4.2	

Confidential

Information contained in this document is subject to change without notice.

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## Ordering Information:

F R 5 0 1 9

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CONNECTOR

F C = FC/APC  
S C = SC/APC

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**ACI Communications, Inc.** reserves the right to discontinue the manufacture or change specifications without prior notice on any parts illustrated in this data sheet. Current drawings are available upon request.

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