

A8KFT3HD-1310 1.2GHz High Density Forward Path CATV Transmitter

Overview

The ACION 8000 A8KFT3HD-1310 is a 1.2GHz high density 1310nm forward path optical transmitter (Tx) for HFC or FTTH applications. This compact and cost effective Tx module is 1.5RU tall. Two of the A8KFT3HD-1310 can plug into a 3RU host module and up to 24 Tx can be installed in the 19-inch high density chassis (A8KMF3).

The A8KFT3HD-1310 advanced design for low power consumption allows 2 Tx to operate in one 3RU slot. The characteristics of this Tx design exhibit excellent linearity with performance 51/-65/-70 for CNR/CSO/CTB and up to 15dBm optical power that make it ideal for HFC network.

Features

- CATV Bandwidth up to 1218 MHz
- Cooled DFB Laser Diode with Isolator
- 1310nm Optical Wavelength
- Optical Power Model Available up to 15dBm
- Docsis 3.1 Compliant
- High Density, 1.5RU
- AGC/MGC Selection
- CW/Video Mode Selection
- OMI Level Adjustments
- User Defined AGC Setting
- Hot Swappable
- Remote Control and Monitor Functions via HMS and SNMP
- -20dB Front Panel Testpoint



Performances

Parameters	Min	Typ	Max	Units
Operating Temperature Range	0	-	50	°C
Operating Bandwidth	54	-	1218	MHz
Optical Power	2	-	15	dBm
CNR (79ch NTSC + Digital to 1218MHz) ⁽¹⁾	51	-	-	dB
CSO (79ch NTSC + Digital to 1218MHz) ⁽¹⁾	-	-	-65	dBc
CTB (79ch NTSC + Digital to 1218MHz) ⁽¹⁾	-	-	-70	dBc

(1) Rx Opt = 0dBm, Fiber = 20km, 79ch = 15dBmV/ch, Digital ch = -6dB from Analog

For more information on this and other products:

Contact Sales at ACI (253) 854-9802, or visit www.acicomms.com