

CATV

Dual Return Path Receiver



Features

- *5 ~ 300 MHz bandwidth
- *1310 and 1550 nm operation
- *Easily accessible test points
- *Front panel output level control and LEDs
- *High RF output level
- *Dual receiver for optical redundancy with A/B switching (optional)

Optical Parameters

Photodiode type	InGaAs PIN
Optical wavelength	1310 ± 20 nm ; 1550 ± 20 nm
Number of receiver unit/module	2
Connector	SC / APC with shutter, FC/APC or E2000/APC
Optical power input range	+3 to -17 dBm
Equivalent input noise current density	≤ 6 pA/Hz ^{1/2}

RF Parameters

Operating bandwidth	5 to 300 MHz
RF output impedance	75Ω (unbalanced)
RF output return loss	≤ -16 dB
RF connector	F type female
RF output level (all the gain control range)	≥ 46 dBmV @ -10 dBm input (OMI = 10%)
Gain control range	25 dB
Flatness	± 0.75 dB
Test point	-20 dBc ref to output port

Electrical/Environmental/Mechanical

Operating temperature	0° to 50°C
Storage temperature	-20° to 60°C
Operating humidity	85% Max
Supply voltage	+24 VDC
Supply current	< 650 mA
Dimensions	310 D x 43 W x 161 H (mm)
Weight	< 1.3 kg

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