

OPTICAL DISTRIBUTION

Model: OP-1Rx



OPTICAL RECEIVER 1260nm - 1600nm

Features

- Good linearity over CATV & SAT IF
- Wide Band : 47 ~ 2600MHz
- Receives CATV and SAT IF over single fibre
- Optical input range of +2dBm to -12dBm
- Flatness (FL $\leq \pm 1.5$ dB)
- Low power consumption, high cost performance

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Specifications

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Model	OP-1Rx		
Reference	53003		
Parameters	Unit	Specification	Test Conditions
RF			
RF Bandwidth	MHz	47 - 860	
RF Flatness	dB	≤ ±0.75	
RF Output Level	dBuV	70 ~90	
RF Return loss	dB	≥ 14	
Output Impedance	Ω	75	
RF Bandwidth	MHz	950 - 2400	
RF Flatness	dB	≤ ±1.50	
RF Output Level	dBuV	70 ~ 90	
RF Return loss	dB	12	
Output Impedance	Ω	75	
Link Performance (3.8%)			
Im3	dB	-65	
HUM	dB	≤ -60	
IP1	dBc	≤ 18	
Optical Specifications			
Wavelength	nm	1260 - 1600	
Optical Input power	dBm	+2 ~ -12	
Responsivity	A/W	≥ 0.90	1310nm
		≥ 0.95	1550nm
Optical Connector		SC/APC	
Optical Return Loss	dB	50	
General Specifications			
Operating Temperature	° C	-5 ~ +65	
Storage Temperature	° C	-40 ~ 85	
Power Supply		+12VDC	
Power Consumption	W	≤ 5	
Operating Relative humidity	%	5 to 95	
Unit Dimensions W x D x H	mm	59 x 98 x 23	
Unit Weight	Kg	0.20	
Ship Weight	Kg	0.36	

Note: Measured in a typical system configuration for the nominated channel numbers, and nominated fibre lengths for each model at 25 °C ambient temperature.

