

OPTICAL DISTRIBUTION

Model: OP-1Rx



OPTICAL RECEIVER 1260nm - 1600nm

Features

- Good linearity over CATV & SAT IF
- Bandwidth : 45 ~ 2600MHz
- Receives CATV and SAT IF over single fibre
- Optical input range of +2dBm to -14dBm (Digital TV)
- Flatness (FL $\leq \pm 1.0$ dB) Refer to frequency ranges
- Low power consumption
- Cost effective performance

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Specifications

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Model	OP-1Rx		
Reference	53003		
Parameters	Unit	Specification	Test Conditions
RF			
RF Bandwidth	MHz	45 - 860	
RF Flatness	dB	±1.0	
RF Output Level	dBuV	~90	
RF Return loss	dB	≥ 14	
Output Impedance	Ω	75	
RF Bandwidth	MHz	950 - 2600	
RF Flatness	dB	±2.50	
RF Output Level	dBuV	~ 90	
RF Return loss	dB	≥ 12	
Output Impedance	Ω	75	
Link Performance OMI = 3.8%			
C/N	dB	51	@Pin= -1dBm
CTB	dB	66	Pout>88dBμV, 84CH PAL-D, OMI=3.8%
CSO	dB	62	
HUM	dB	-60	
Optical Specifications			
Wavelength	nm	1260 - 1600	
Optical Input power	dBm	+2 ~ -14	Digital TV
		+2 ~ -20	Satellite TV
Responsivity	A/W	≥ 0.85	
Optical Connector		SC/APC	
Optical Return Loss	dB	50	
General Specifications			
Operating Temperature	° C	-20 ~ +60	
Storage Temperature	° C	-40 ~ 85	
Power Supply		+12VDC	
Power Consumption	W	≤ 3	
Operating Relative humidity	%	5 to 95	
Unit Dimensions W x D x H	mm	105 x 67 x 24	
Unit Weight	Kg	0.10	
Ship Weight	Kg	0.14	

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

