

ON802G Optical Receiver

MODEL: ON-802G



Products Description

- ON802G is our new high-class CATV optical receiver. The pre-amplifier adopts GaAs MMIC meanwhile post-amplifier adopts GaAs module from American ACA company, the optimization circuit designing and with 10 years design experience that match to high performance index. SCM controls digital display parameter that makes more convenience operation and becoming main products in CATV network.
- Performance Characteristics
- With PIN Photoelectric Converter and High Response;
- Optimization circuit design, SMT process production, optimization signal path, fluency photoelectric signal transmission;
- With specialized RF attenuate IC, Good linear of RF attenuation and equality and high accuracy;
- GaAs amplify, power double output, high gain and low distortion;
- SCM controls working status, LED shows all parameters, convenience operation and high stability;
- Optimization AGC performance, when the input power range is 8 ~ +2dBm, the output level, CTB and CSO keep constantly;
- Backup data communication interface, it is convenient to connect with network management responder, connecting with network management system.

Technical parameter

Item	Unit	Technical Parameter	
Receive Optical Power	dBm	-8 ~ +2	
Return Loss	dB	>45	
Optical Wavelength	nm	1100 ~ 1600	
Connector Type		FC/APC or SC/APC	
Fiber Type		Single Mode	
C/N	dB	≥51(-2dBm Input)	
C/CTB	dB	≥61	Output Level 98dBμV Balanced 6dB
C/CSO	dB	≥60	
Frequency Range	MHz	45 ~ 862	
Flatness In Band	dB	±0.75	
Rated Output Level	dBμV	≥98	

Max Output Level	dB μ V	≥ 104
Output Return Loss	dB	≥ 15
Output Impedance	Ω	75
Electronic Control EQ Range	dB	0 ~ 10
Electronic Control ATT Range	dB μ V	0 ~ 20
Supply Voltage	V	AC(150 ~ 265)V
Operating Temperature	$^{\circ}$ C	-40 ~ 60
Consumption	VA	≤ 10

**Due to continuous improvement, all products specifications are subject to change without further notice.
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