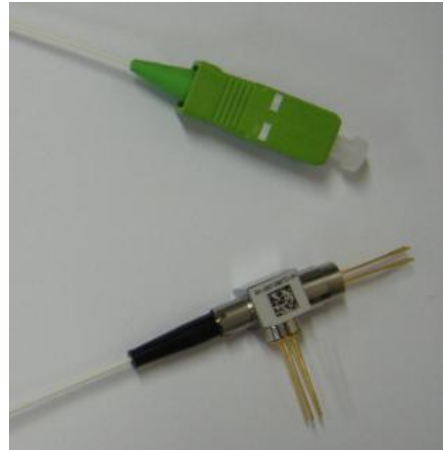


Pigtailed BOSA Module

Preliminary Specification

Features

- Colorless, injection seeded BOSA
- WDM-PON FP-LD and monitored PD in TO Can as transmitter
- C-band and L-band FP-LD
- Operating at 125Mbps and 1.25Gbps
- Uncooled and cooled type
- PIN-PD TIA or APD TIA as receiver
- Reliability (GR-468-CORE) compliance
- RoHS compliance
- Safety and Flammability (UL 94 V-0)
- Operating case temperature range (uncooled type): -5 ~ +70 °C
- Operating case temperature range (cooled type): -45 ~ +80 °C



Optical and Electrical Specification

Parameter	Min.	Typ.	Max.	Unit	Note
Transmitter					
Operating wavelength, C-band	1533		1559	nm	
Operating wavelength, L-band	1573		1600	nm	
Bit rate		125		Mbps	
Bit rate		1250		Mbps	
Coupling efficiency	40			%	
Monitor PD dark current			10	nA	
Receiver					
Operating wavelength, L-band	1573		1600	nm	C-band Tx
Operating wavelength, C-band	1533		1559	nm	L-band Tx
Optical cross-talk		0.8		dB	