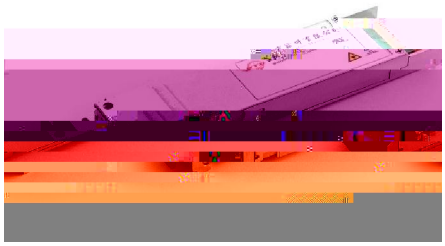
XGSPON OLT Transceiver XFP Module V1.3



RTXM266-706 product is designed for OLT module based on XGSPON technology. The product is an integrated module containing a micro-optic component and semiconductor material. The module could implement DDM function. It could be used at key locations in optical networks.

Specifications

Parameter	Symbol	Unit	Value		
			Min	typical	Max
Electrical Characteristics					
Supply Current	Icc	mA			1200
Maximum Peak Current	-	mA			2000
Differential Input Swing (note1)	-	mV	120		1000

Dynamic Range	-	dB	15		

AC coupled internally;
DC coupled internally;
Measured with a PRBS 2^{31}-1 NRZ test pattern, @9.953Gb/s, EX=8.2dB, BER<10^{-3}
4. Measured with a PRBS 2^{23}-1 NRZ test pattern, @2.488Gb/s, EX=8.2dB, BER<10^{-4}

Ordering Information

Part No	Specification								
	Package	Data rate	Laser	Power	Detector	Sensitivity	Temp	Reach	Center Wavelength(nm)
RTXM266-706	XFP	SC	9.953/9.953&2.488		EML				

Absolute Maximum Ratings

Parameter	Symbol	Unit	Min	Max
Storage Temperature Range	Ts	oC	-40	+85
Relative Humidity	RH	%	5	95
Power Supply Voltage	Vcc	V	0	+3.6

Recommended Operating Conditions

Parameter	Symbol	Unit	Min	Typ	Max
Operating Case Temperature Range	Tc	oC	0	-	70
Power Supply Voltage	Vcc	V	3.13	3.3	3.47
Power Consumption	P	W			4.0

XGS