ТЕХНОЛОГИИ СЕТЕЙ
ВСЕ ДЛЯ ПОСТРОЕНИЯ СЕТЕЙ

3K SFP ONU STICK
PRODUCT FEATURES

- Support ITU-T G.984 GPON Networks application
- Support ITU-T G.988 ONU management and control interface (OMCI) specification
- Support Dying Gasp function (optional)
- Configurable 1G or 2.5G UNI
- Single fiber bi-directional data links with asymmetric 1.244Gbps Tx and 2.488Gbps Rx
- 1310nm burst-mode transmitter with DFB laser
- 1490nm continuous-mode receiver with APD-TIA
- 2-wire interface for integrated digital diagnostic Monitoring
- SFP package with SC/UPC or SC/APC receptacle optical interface
- Single +3.3V power supply
- Operation case temperature -40~85°C for industrial and 0~70°C for commercial

Parameter	Unit	Min.	Typical	Max.
Storage Temperature	°C	-		8
Operating Relative Humidity	%	5		85
Operating Case Temp for C-temp	°C	0		70
Operating Case Temp for I-temp	°C	-		8
Power Supply Voltage	V	3.15	3	3.45
Power Consumption	W			2
Bit Rate for Tx	Gbps	1.2		
Bit Rate for Rx	Gbps	2.4		

Parameter	Unit	Min.	Typical	Max.
Transmitter				
TX Central Wavelength	nm	1290	1310	1330
Spectral Width (-20dB)	n			1
Side Mode Suppression Ratio (SMSR)	d B	3 0		
Mean Launched Power	dBm	0.5		5

Mean Launched Power (TX Off)	dBm			-45
Extinction Ratio	d	10		
Optical Return Loss Tolerance	dB	-15		
Transmitter and dispersion Penalty	d			1
Transmitter Mask ($PRBS2^{23}$-	Compliant With ITU-T G984.2			
Receiver				
Receive Wavelength	n	1480	1490	1500
Sensitivity ($PRBS2^{23}$-1@2.488G, ER=8.2, BER<10^{-10})	dBm			-28
Overload ($PRBS2^{23}$-1@2.488G, ER=8.2, BER<10^{-10})	dBm	- 8		
Loss of signal De-assert Level	dBm			-
Loss of signal assert Level	dBm	-		
LOS Hysteresis	dB	0		6
WDM Filter isolation to 1441 nm	dB	25		
WDM Filter isolation to 1250 nm	dB	36		
Electrical Interface Characteristics				
Data Input Swing Differential/TX	m	2	-	2000
Data Output Swing Differential/RX	mV	4		1600
Date Differential Impedance	Ω	90	100	1
LVTTL Output High	V	2.		Vcc
LVTTL Output Low	V	0		0.4
LVTTL Input High	V	2.0		Vcc+0.3
LVTTL Input Low	V	0		0.8
Timing Characteristics				
Turn On Time at Burst mode (T_{ON})	n			12.8
Turn Off Time at Burst mode (T_{OFF})	ns			12.8
TX-SD Assert Time (T_{TXSD_ON})	n			100
TX-SD De-assert Time (T_{TXSD_OFF})	ns			100
LOS Assert Time (T_{LOSA})	us			1
LOS De-assert Time (T_{LOSD})	us			100

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MECHANICAL DIAGRAM