

**PRE-SFP10G-40, PRE-SFP10G-40I**  
SFP+, 1550nm, SMF, 40km, 10Gbps



**Product Features:**

- 1550nm EML Transmitter
- PIN Receiver
- SMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available
- Supports bit rates up to 11.1Gbps



**Product Applications:**

- 10G Ethernet
- CPRI
- Fiber Channel

**General Specifications**

Parameter	Symbol	Min	Typ	Max	Unit
Case Operating Temperature (Commercial)	T <sub>op</sub>	0	-	70	°C
Case Operating Temperature (Industrial)	T <sub>op</sub>	-40	-	85	°C
Power Consumption	P <sub>w</sub>	-	-	1.2	W
Power Consumption (I-Temp)	P <sub>w</sub>	-	-	1.4	W
Power Supply Current	I <sub>cc</sub>	-	-	430	mA
Power Supply Voltage	V <sub>cc</sub>	3.14	3.3	3.46	V
Storage Humidity	H <sub>s</sub>	5	-	95	%
Storage Temperature	T <sub>s</sub>	-40	-	85	°C
Transmission Distance	TD	-	-	40	km
Data Rate (Total)	DR <sub>T</sub>	-	10.3125	11.1	Gbps

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### Optical Characteristics: Transmitter

Parameter	Symbol	Min	Typ	Max	Unit
Center Wavelength	$\lambda_c$	1530	1550	1565	nm
Transmit Power	$P_{OUT}$	-1	-	3	dBm
Spectral Width	$\sigma$	-	-	1	nm
Side Mode Suppression Ratio	SMSR	30	-	-	dB
Dispersion Penalty	DP	-	-	2	dB
Extinction Ratio	ER	8.2	-	-	dB
Transmitter OFF Output Power	$P_{OFF}$	-	-	-30	dBm

### Optical Characteristics: Receiver

Parameter	Symbol	Min	Typ	Max	Unit
Receiver Wavelength	$\lambda_r$	1270	-	1610	nm
Input Saturation Power	$P_{SAT}$	0	-	-	dBm
Receiver Sensitivity	R	-	-	-16	dBm
LOS Assert	$LOS_A$	-30	-	-	dBm
LOS De-Assert	$LOS_D$	-	-	-17	dBm
LOS Hysteresis	$LOS_H$	0.5	-	-	dB

### Product Ordering Information

Part Number	Description
PRE-SFP10G-40	SFP+, 1550nm, SMF, 40km, 10Gbps, C-Temp
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