

## PRE-SFP10G-Dxx-80H

SFP+, DWDM 100GHz, 92°C, SMF, 80km, 10Gbps



### Product Features:

- -40°C to 92°C Temperature Rating
- EML Transmitter
- APD Receiver
- ITU 14-61 100GHz DWDM
- SMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- <2.8W Power Consumption



### Product Applications:

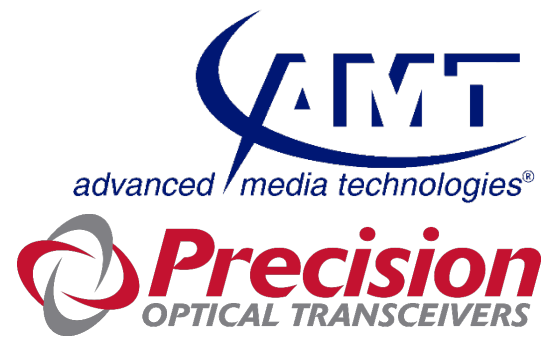
- 10G Ethernet
- CPRI
- Fibre Channel

### General Specifications

Parameter	Symbol	Min	Typical	Max	Unit
Case Operating Temperature	T <sub>op</sub>	-40	-	92	°C
Power Consumption	P <sub>w</sub>	-	-	2.8	W
Power Supply Voltage	V <sub>cc</sub>	3.14	3.3	3.46	V
Storage Humidity	H <sub>s</sub>	5	-	85	%
Storage Temperature	T <sub>s</sub>	-40	-	85	°C
Transmission Distance	TD	-	-	80	km
Data Rate (Total)	DR <sub>T</sub>	-	10.3125	-	Gbps

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### Optical Characteristics: Transmitter

Parameter	Symbol	Min	Typical	Max	Unit
Center Wavelength (EOL)	$A_c$	$A_c-0.1$	-	$A_c+0.1$	nm
Transmit Power	$P_{OUT}$	-1	-	4	dBm
Spectral Width	$\sigma$	-	-	0.3	nm
Side Mode Suppression Ratio	SMSR	30	-	-	dB
Dispersion Penalty	DP	-	-	3	dB
Extinction Ratio	ER	8.2	-	-	dB
Transmitter OFF Output Power	$P_{OFF}$	-	-	-30	dBm

### Optical Characteristics: Receiver

Parameter	Symbol	Min	Typical	Max	Unit
Receiver Wavelength	$A_r$	1528	-	1563	nm
Input Saturation Power	$P_{SAT}$	-6	-	-	dBm
Receiver Sensitivity	R	-	-	-24	dBm
LOS Assert	$LOS_A$	-35	-	-	dBm
LOS De-Assert	$LOS_D$	-	-	-26	dBm
LOS Hysteresis	$LOS_H$	0.5	-	-	dB

### Product Ordering Information

Part Number	Description
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