

Q-SERIES[®] OPTICAL

QFOT1L 1 GHz, 1RU, 1310NM DFB TRANSMITTER



Features

- Low noise high linearity Ortel-Emcore DFB laser
- GaAs Technology up to 1000MHz
- RF Level ALC control, 5 digit DIP switch manual adjustment for RF attenuation
- Excellent pre-distortion technology improves CTB, CSO and C/N
- -20dB RF Test Port, DIP Switch, Power LED indicator and Laser LED indicator on front panel
- 19" 1RU Housing

QFOT1L 1310nm Specifications

Specification	Value								
	4mW	6mW	8mW	10mW	12mW	14mW	16mW	18mW	20mW
Optical Power	4mW	6mW	8mW	10mW	12mW	14mW	16mW	18mW	20mW
Optical Link Path Loss	7dB	9dB	10dB	11dB	11.8dB	12.5dB	13dB	13.6dB	14dB
Optical Wavelength	1310±20								
Type of Laser	Ortel DFB laser with isolator								
Optical modulation mode	Direct Modulation								
Optical connector Type	SC/APC								
Frequency Range	47~1000MHz								
RF Input Level	15~25 dBmV								
Flatness In Band	±0.75 dB								
RF Input Impedance	75Ω								
Input Reflection Loss	≥16 (47~1000)MHz								
C/CTB	≥67 dB								
C/CSO	≥62 dB								
C/N	≥51 dB								
MGC Control Range	1dB/2dB/4dB/16dB								
Power Voltage	AC 100V~240V (50/60 Hz)								
Power Consumption	20 W								
Operation Temperature	0~50 °C								
Store Temperature	-40~85 °C								

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Transmitter Front

Ordering Information

Part Number	Description
QFOT1L1310-04	Optical Transmitter, 1GHz, 1310nm, DFB, SC/APC, 4mW
QFOT1L1310-06	Optical Transmitter, 1GHz, 1310nm, DFB, SC/APC, 6mW
QFOT1L1310-08	Optical Transmitter, 1GHz, 1310nm, DFB, SC/APC, 8mW
QFOT1L1310-10	Optical Transmitter, 1GHz, 1310nm, DFB, SC/APC, 10mW
QFOT1L1310-12	Optical Transmitter, 1GHz, 1310nm, DFB, SC/APC, 12mW
QFOT1L1310-14	Optical Transmitter, 1GHz, 1310nm, DFB, SC/APC, 14mW
QFOT1L1310-16	Optical Transmitter, 1GHz, 1310nm, DFB, SC/APC, 16mW
QFOT1L1310-18	Optical Transmitter, 1GHz, 1310nm, DFB, SC/APC, 18mW
QFOT1L1310-20	Optical Transmitter, 1GHz, 1310nm, DFB, SC/APC, 20mW