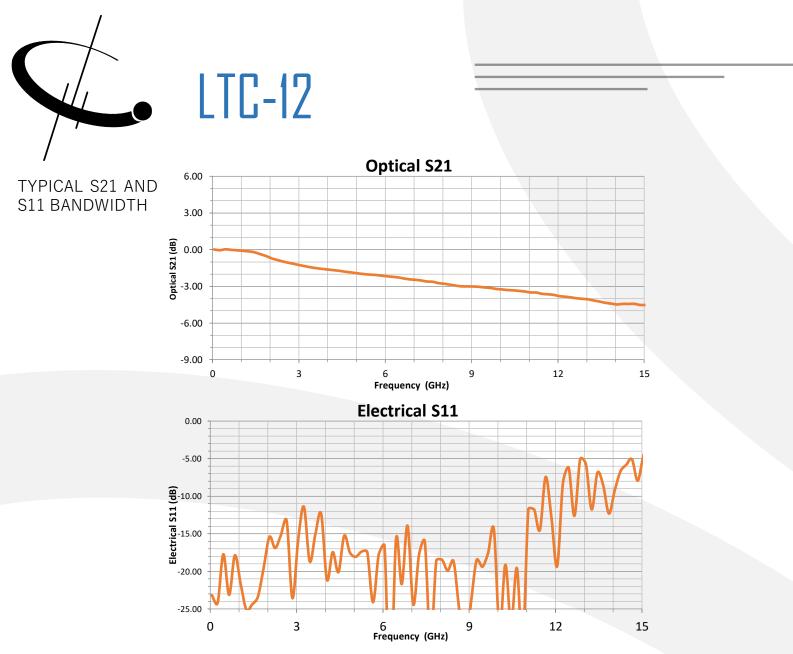


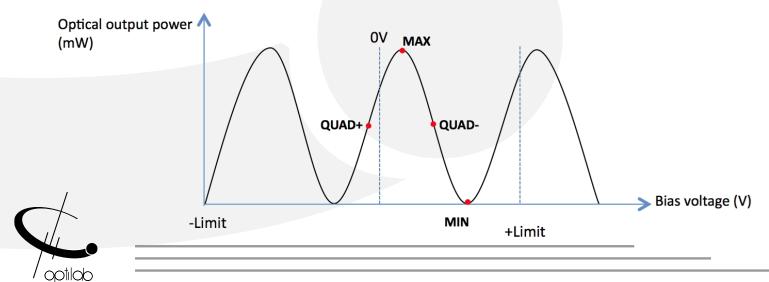
SPECIFICATIONS	Operating Wavelength		1520 nm to 1610 nm
GENERAL	Laser Source		Internal DFB laser, 1550 ± 10 nm; other wavelengths and narrow linewidth <1 MHz are available
	Laser Power Level		20, 30, 40, 50 mW
	RF Return Loss		> 15 dB 🖲 10 GHz
	Impedance		50Ω
	Operating Frequency Range		DC to 12 GHz
	Input RF Voltage		27 dBm max.
	Optical Output Level		6.5 dBm typ. With 20 mW DFB
	S21 Bandwidth		3 dB, 8 GHz typ.
	Modulator Bias Mode		4 Automatic bias control modes, selectable by software
	Extinction Ratio		25 dB typ.; > 30 dB (HE version)
	Modulator Voltage V _{PI}		7 V typ. 🗉 10 GHz
		-	
	IIP3 @ 7 GHz		32 dBm typ.; 29 dBm typ. (LD version)
ANALOG	1 dB Compression Point @ 10 GHz		16.5 dBm typ.; 14.5 dBm typ. (LD version)
MECHANICAL		erature (standard)	-30 °C to +60 °C
	Operating Temperature (TQ version)		-55 °C to +75 °C
	Storage Temperature		-60 °C to +90 °C
	Power Supply Requirements		AC Power Cord
	Optical Connecto	or	
	Fiber Type		SMF-28 output: PANDA output (PM version)
	RF Input Connector		K connector
	Power Connecto	r	4 Pin Molex USB 2.0 software included
	Remote Control		
	Alarm		LED bias mode status 241 mm x 152 mm x 41 mm
	Dimensions		241 mm x 132 mm x 41 mm
	Mode	Operation Conditio	
BIAS CONTROL	[]+	Set to quadrature point of positive slope for linear analog modulation	
MODE	Q-	Set to quadrature point of negative slope for linear analog modulation	
	Min. Set to min. point of operation for pulse generation or digital modulation Max. Set to max. point of operation for pulse generation or digital modulation		





BIAS SETTING MODES FOR LTC

Based on sophisticated phase measurement of this small dither signal, LTC-12 provides four selectable operating modes: quadrature (Quad +), inverted quadrature (Quad -), minimum (Min), or maximum (Max) points.





ORDERING OPTIONS

LTC-12-XX

XX PM: Polarization Maintaining

