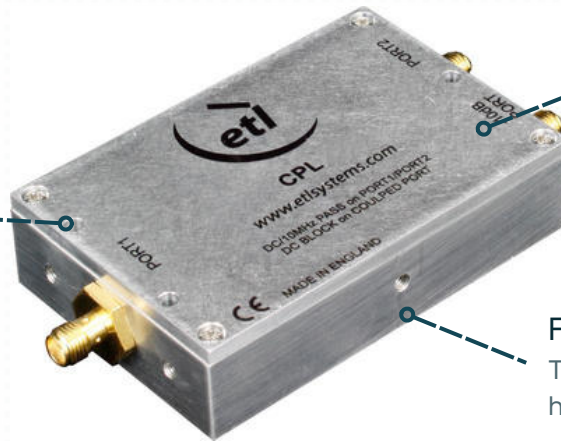


20dB L-band Proximity Coupler

850 MHz to 2150 MHz

850-2150 MHz
Operating frequency range



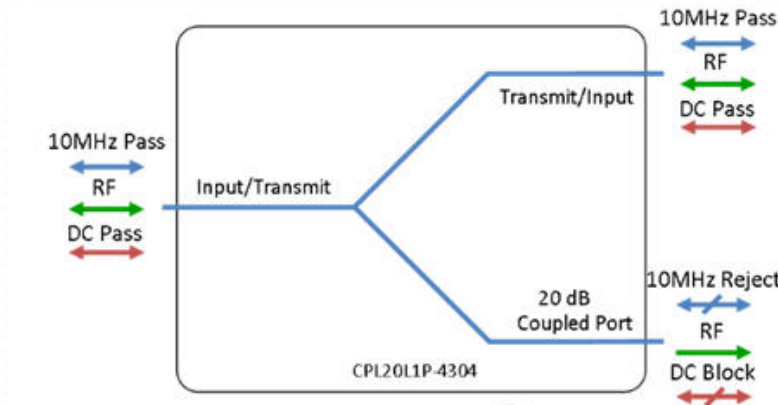
Compact
Housed in rugged compact enclosure

Flexible mounting
Tapped screw and through-hole mounting options

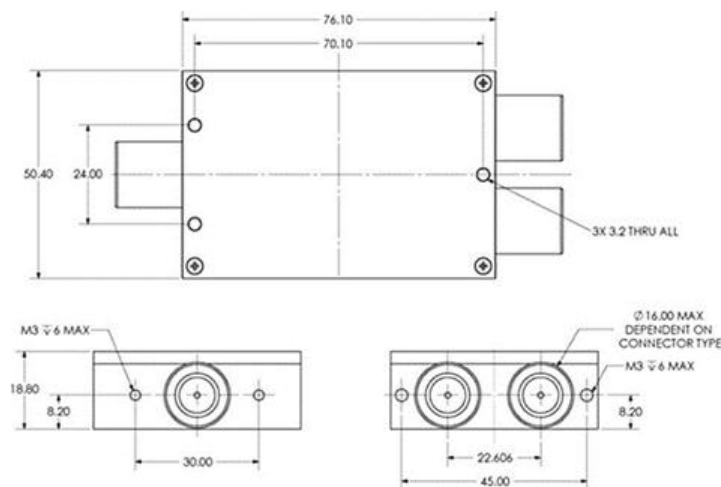
RF Parameters					
Model Variation		S5S5S5	N5N5N5	B7B7B7	F7F7F7
Frequency Range	850 - 2150 MHz				
RF Connectors		50Ω SMA	50Ω N-Type	75Ω BNC	75Ω F-Type
Through Path					
Mean Insertion Loss	1.0 dB ± 0.2 dB		1.2 dB ± 0.4 dB		
Flatness	±0.2 dB		±0.4 dB		
Input Return Loss	Typ.	20 dB	18 dB	15 dB	
	Min.	15 dB	14 dB	13 dB	
Output Return Loss	Typ.	16 dB		15 dB	
	Min.	13 dB		12 dB	
Coupled Port					
Coupling Factor	20 ± 1.0 dB typ.		20 ± 1.2 dB typ.		
Flatness	±0.8 dB typ.		±1.0 dB typ.		
Return Loss	Typ.	15 dB		14 dB	
	Min.				12 dB

Max. Operating Parameters	
Input RF Power	37 dBm (5 W)
DC Voltage	50V on any RF port
Environmental	
Operating Temperature	0°C to +45°C
Storage Temperature	-20°C to +75°C
Location	Indoor use only
Humidity	85% non-condensing
Altitude	10,000 feet AMSL

Diagram



Physical Dimensions (mm)



Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

Note 3: 10MHz Insertion Loss is up to 3dB above the theoretical loss. 10MHz Rejection is 20dB.

Note 4: IP67 integrity is maintained by populating all ports with sufficiently rated connectors and that unused ports have IP67 terminators or dust caps when awaiting connection. Dust caps are not sold with this product.