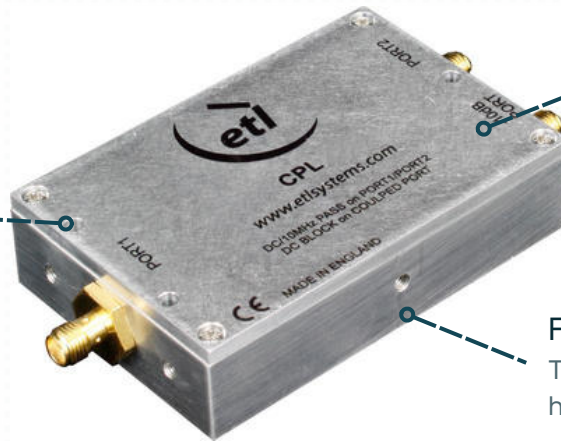


10dB Extended L-band Directional Coupler

850 MHz to 2450 MHz

850-2450 MHz
Operating frequency range



Compact
Housed in rugged compact enclosure

Flexible mounting
Tapped screw and through-hole mounting options

RF Parameters			
Model Variation	S5S5S5		B5B5B5
Frequency Range	850 - 2450 MHz		
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC
Through Path			
Mean Insertion Loss	1.0 ± 0.2 dB		1.0 ± 0.4 dB
Flatness	±0.5 dB		±0.6 dB
Input Return Loss	Typ.	20 dB	18 dB
	Min.	13 dB	12 dB
Output Return Loss	Typ.	20 dB	18 dB
	Min.	13 dB	12 dB
Coupled Port			
Mean Coupling Factor	10 ± 1.0 dB typ.		
Flatness	±1.5 dB typ.		±1.6 dB typ.
Return Loss	Typ.	20 dB	18 dB
	Min.	11 dB	
Directivity	14 dB typ.		

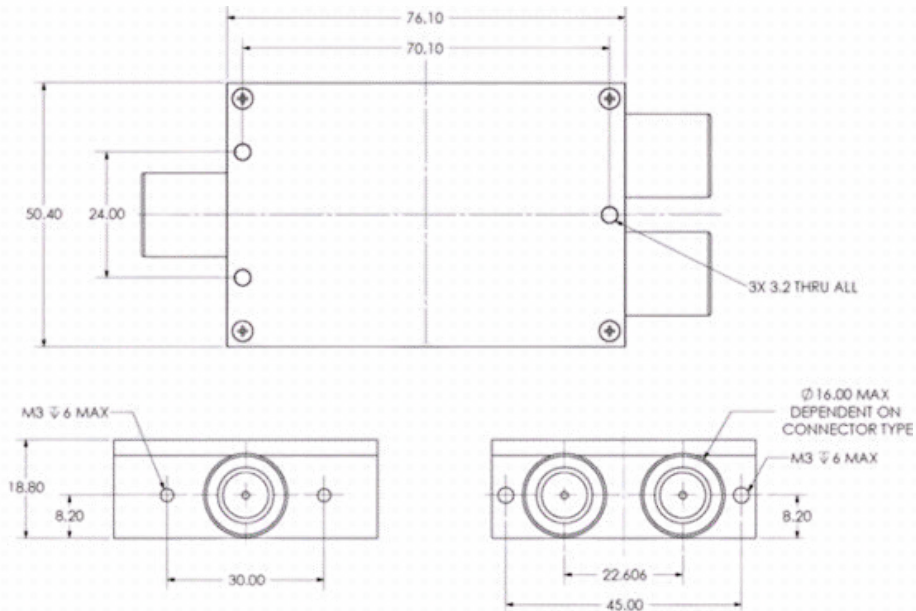
Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

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.

Max. Operating Parameters	
Input RF Power	37 dBm (5 W)
DC Voltage	50V on any RF port
DC Current	3.5A max. 5A if N-type connectors
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

Physical Dimensions (mm)



Test Plot

