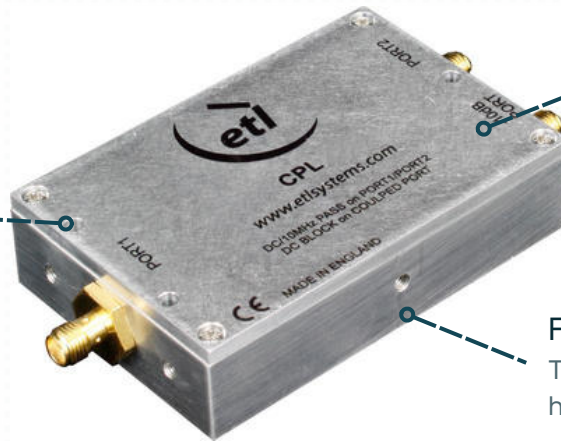


S-Band Proximity 10dB Coupler

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	N5N5N5	B5B5B5	B7B7B7	F7F7F7
Frequency Range	850 - 2450 MHz				
RF Connectors	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
Through Path					
Mean Insertion Loss	1.8 ± 0.2dB		1.8 ± 0.3dB	1.9 ± 0.4dB	
Flatness	± 0.2dB		±0.3 dB	±0.4 dB	
Input Return Loss	Typ.	15dB		14 dB	
	Min.	13dB		12dB	
Output Return Loss	Typ.	14 dB			
	Min.	11 dB			
Coupled Port					
Coupling Factor (Typ.)	10 ± 0.5 dB		10 ± 1.0 dB		
Flatness (Typ.)	± 0.2 dB		± 0.3 dB	± 0.4 dB	
Return Loss	Typ.	14 dB			
	Min.	11 dB			
10MHz Insertion Loss is up to 3dB above the theoretical loss*					
10MHz Rejection is 20dB*					
*To ports which are applicable					

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.

Max. Operating Parameters	
Input RF Power	5W (37 dBm)
Environmental	
Operating Temperature	-45°C to +85°C
Storage Temperature	-55°C to +125°C
Location	Indoor use only
Humidity	85% non-condensing
Altitude	10,000 feet AMSL

Diagram



Physical Dimensions (mm)

