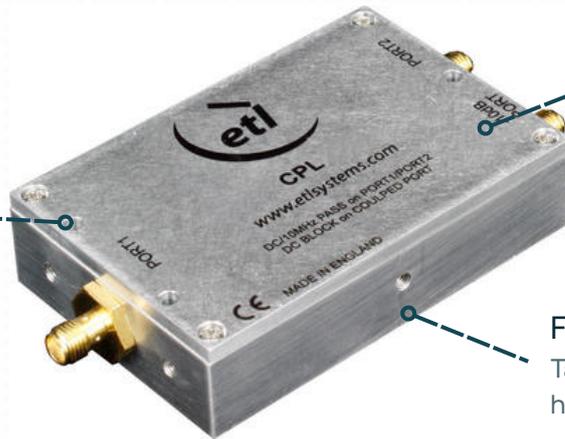


# 20dB L-band Proximity Coupler

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		F7F7F7
Frequency Range	850 - 2150 MHz		
RF Connectors	50Ω SMA	50Ω N-Type	75Ω F-Type
Through Path			
Mean Insertion Loss	1.0 ± 0.2 dB		1.2 ± 0.4 dB
Flatness	±0.2 dB		±0.4 dB
Input Return Loss	Typ.	20 dB	15 dB
	Min.	15 dB	13 dB
Output Return Loss	Typ.	16 dB	15 dB
	Min.	13 dB	12 dB
Coupled Port			
Coupling Factor	20 ± 0.5 dB typ.		20 ± 0.8 dB typ.
Flatness	±0.2 dB typ.		±0.4 dB typ.
Return Loss	Typ.	18 dB	15 dB
	Min.	15 dB	13 dB

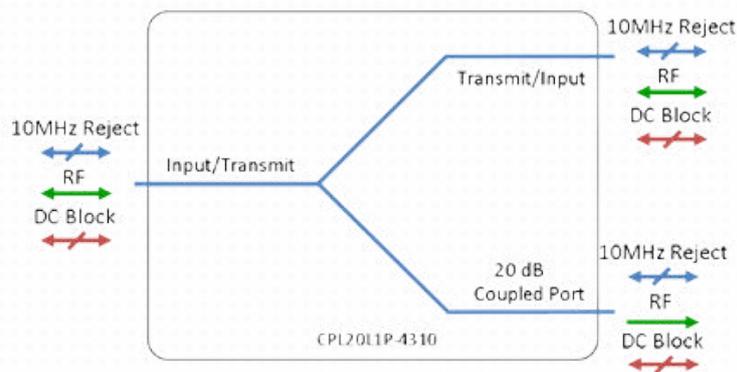
Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

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	50 V on any RF port
DC Current	5 A
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)

