

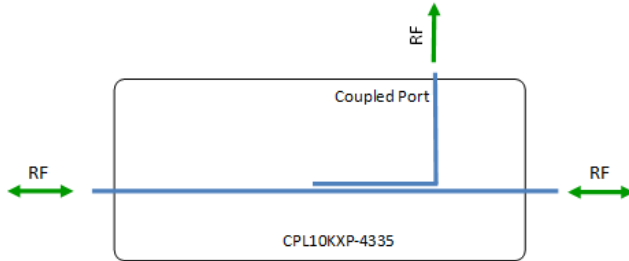


Model Number:
CPLxxKXP-4346

RF Components

Wideband Directional Coupler

1-40 GHz



- Ultra wide band 1-40 GHz
- 10 or 20 dB coupling

Available with RF connector options:

- 50 Ω SMA 2.92 mm K series High frequency RF connectors



1-40 GHz
Operating frequency range. Wide-Band ready



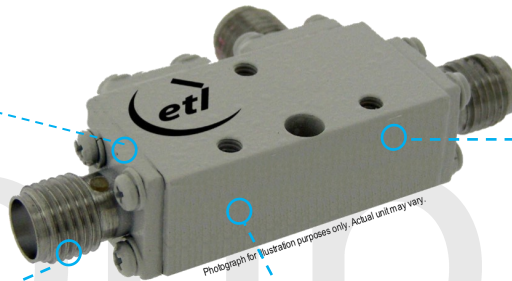
Compact
Housed in rugged compact enclosure



Flexible Mounting
Through hole mounting options



High freq connectors
2.92mm K connectors



RF Parameters			
CPLxxKXP-4346		K5K5K5	
Frequency Range	1-40 GHz		
RF Connectors	50 ohm 2.92mm K connectors Female		
Coupling Factor (dB)		10 \pm 1.0	20 \pm 1.0
Insertion loss* (dB)	Max.	2.5	2.0
Thru Line Flatness (dB)	Max.	\pm 1.0	\pm 1.0
Return Loss (dB) Thru line	Typ.	14	14
	Min	10	11
Return Loss (dB) Coupled port	Typ.	14	14
	Min	10	10
Directivity** (dB)	Min	10	10

* Excluding coupling loss
**Directivity across frequency band will vary.

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport





RF Components

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Wideband 1-40 GHz 10 / 20 dB coupler

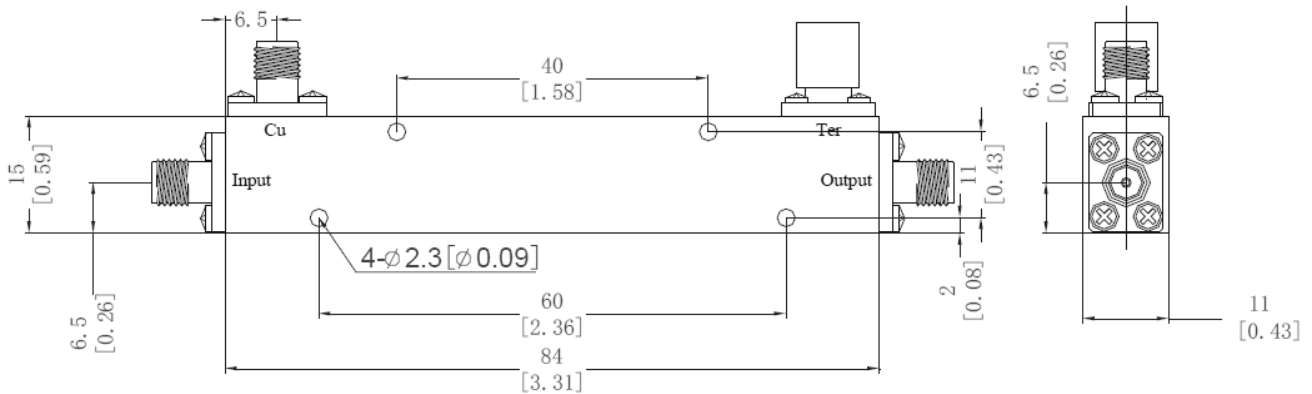
Technical specifications and operating parameters

Environmental		
Operating Temperature		-45°C to +85°C
Storage Temperature		-45°C to +85°C
Location		Indoor use Only
Humidity	Max	85% non-condensing
Altitude	Max	10,000 feet

Max Operating Parameters	
Input RF Power	+44dBm 30W

! Operation beyond these limits may cause instantaneous and permanent damage.

Physical Dimensions (mm)



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

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