

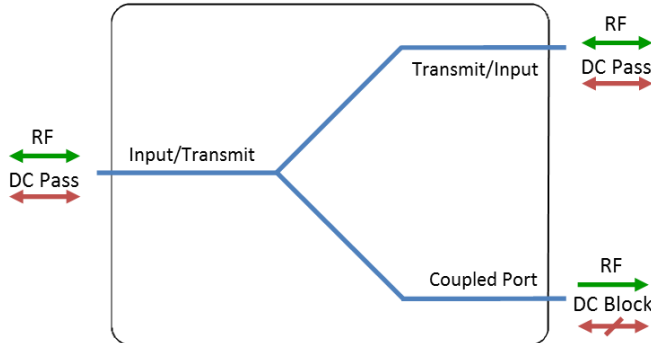


Model Number:
CPLxxKXP-4351

RF Components

Wideband Directional Coupler

6-18.5 GHz



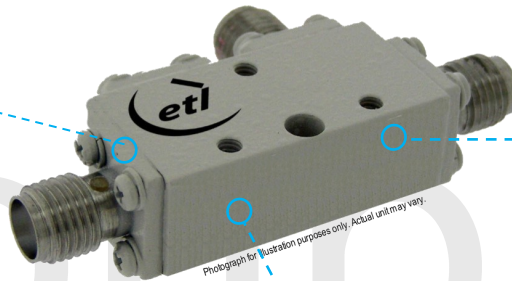
- Wide band 6-18.5 GHz
- 10 or 20 dB coupling

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type



6-18.5 GHz
Operating frequency range. C, X & Ku band ready.



Compact
Housed in rugged compact enclosure



Flexible Mounting
Through hole mounting options

RF Parameters			
CPLxxKXP-4351		S5S5/N5N5	
Frequency Range	6-18.5 GHz		
RF Connectors	SMA 50 ohm M/F		SMA & N-type 50 ohm
Coupling Factor (dB)	20 \pm 1.0		20 \pm 1.0
Insertion loss* (dB)	Max.	0.6	0.7
Thru Line Flatness (dB)	Max.	\pm 0.7	\pm 0.7
Return Loss (dB) Thru line	Typ.	16	16
	Min	13	13
Return Loss (dB) Coupled port	Typ.	16	16
	Min	13	13
Directivity** (dB)	Min	14	14

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

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport





RF Components

Model Number:
CPLxxKXP-4351

Wideband 6-18.5 GHz 10 / 20 dB coupler

Technical specifications and operating parameters

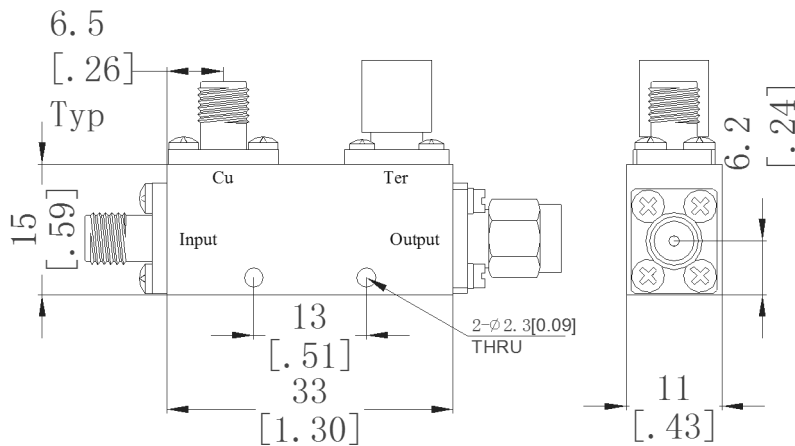
Environmental		
Operating Temperature		-45°C to +85°C
Storage Temperature		-45°C to +85°C
Location		Indoor use Only
Humidity	Max	85% non-condensing
Altitude	Max	10,000 feet

Max Operating Parameters	
Input RF Power	+47 dBm 50W (forward)

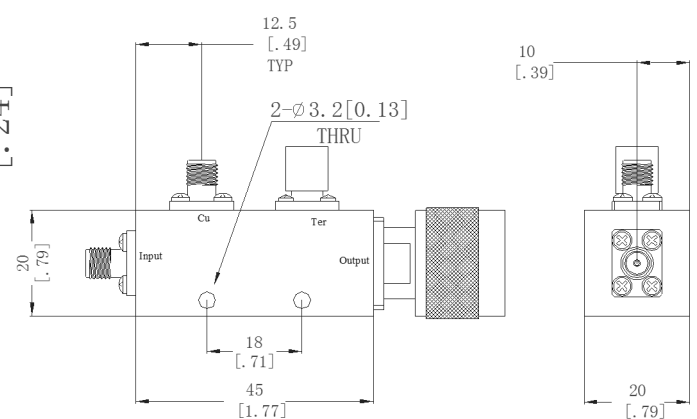
! Operation beyond these limits may cause instantaneous and permanent damage.

Physical Dimensions (mm)

50 Ω SMA Female /Male



50 Ω SMA & N-type



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