RF Components

Model Number:
ODU-4306

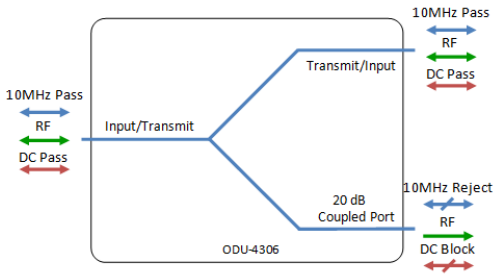
IP67 20dB L-band Directional Coupler

850-2150 MHz

- DC and 10MHz pass between input and through ports.
- DC and 10MHz blocked on coupled port.

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type



850-2150 MHz
Operating frequency range. L-band ready.

Compact
Housed in rugged compact enclosure*

Flexible Mounting
Through hole mounting options

Coupler

RF Parameters			
ODU-4306		S5S5S5	N5N5N5
	Frequency Range	850 – 2150 MHz	
	RF Connectors	50Ω SMA	50Ω N-Type
Through Path	Mean Insertion Loss (dB)	1.1	1.1
	Flatness (dB)	± 0.4	± 0.4
	Input Return Loss (dB)	20	18
		15	14
	Output Return Loss (dB)	20	18
		15	14
Coupled Port	Mean Coupling Factor (dB)	20 ± 1.0	20 ± 1.5
	Flatness (dB)	± 1.5	± 1.5
	Return Loss (dB)	20	18
		12	12
	Directivity (dB) Typ.	14	14

10MHz Insertion Loss is up to 3dB above the theoretical loss*
10MHz Rejection is 20dB*
*To ports which are applicable

Broadcast

Marine Oil & Gas

SNG & VSAT

Satellite Teleport

RF Components

Model Number:
ODU-4306
IP67 L-band Directional Coupler

Technical specifications and operating parameters

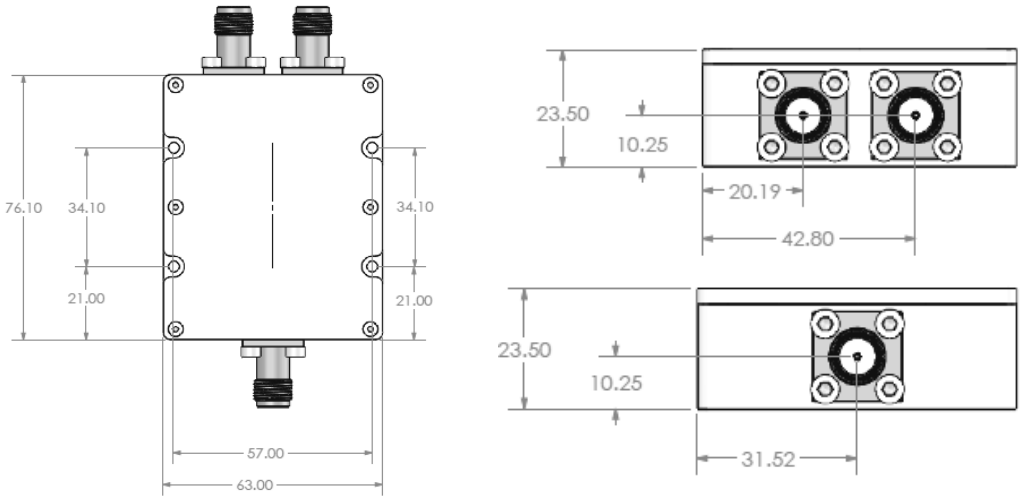
Environmental		
Operating Temperature		-40˚C to +85˚C
Storage Temperature		-50˚C to +100˚C
Location		Indoor / Outdoor IP67* use
Humidity	Max	95% non-condensing
Altitude	Max	10,000 feet

Max Operating Parameters	
Input RF Power	+37 dBm 5W
DC Current	500 mA max
DC Voltage	35V on any RF port

*IP67 integrity is maintained by populating all ports with sufficiently rated connectors and that unused ports have IP67 terminators or dust caps when awaiting connection. Dust caps are not sold with this product.

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

Physical Dimensions (mm)



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