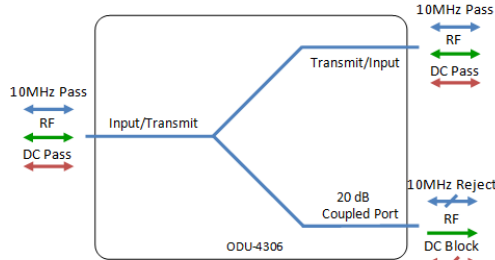


RF Components

# 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)	Typ.	20	18
		Min.	15	14
Output Return Loss (dB)	Typ.	20	18	
	Min.	15	14	
Coupled Port	Mean Coupling Factor (dB)	20 ± 1.0	20 ± 1.5	
	Flatness (dB)	± 1.5	± 1.5	
	Return Loss (dB)	Typ.	20	18
		Min.	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

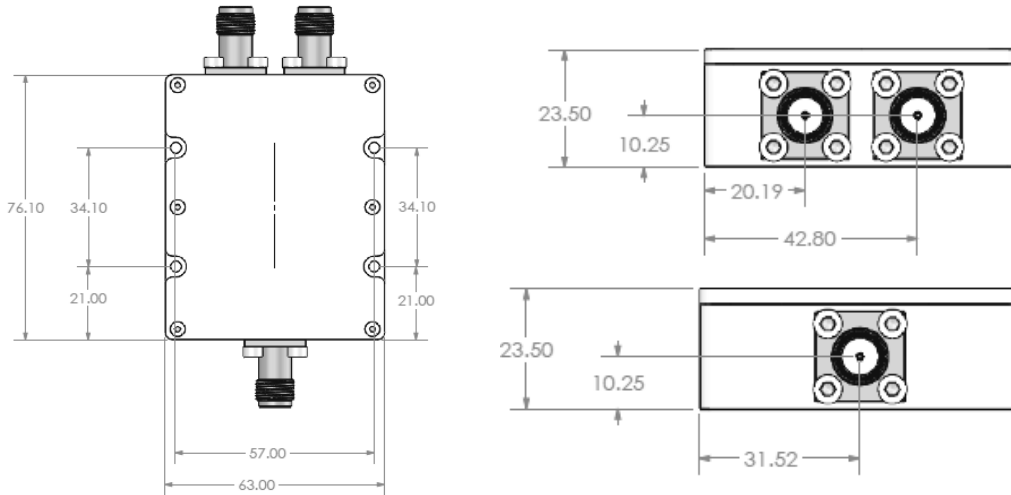
Environmental		
Operating Temperature		-40°C to +85°C
Storage Temperature		-50°C to +100°C
Location		Indoor / Outdoor IP67* use
Humidity	Max	95% non-condensing
Altitude	Max	10,000 feet

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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