

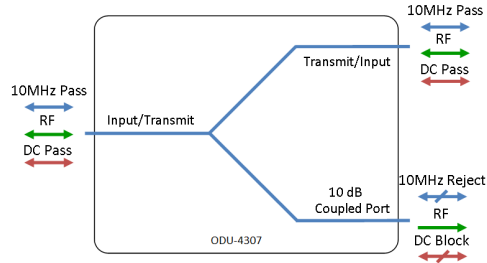


Model Number:  
**ODU-4307**

RF Components

# IP67 10dB L-band Directional Coupler

850-2150 MHz



- Coupled port is DC blocked
- 10 dB coupling
- DC & 10MHz pass from input to transmit ports

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-4307		S5S5S5 / NxNxNx	
Frequency Range		850-2150 MHz	
RF Connectors		SMA 50 ohm	N-type 50 ohm
Mean Coupling Factor (dB)		10 ± 1.0	10 ± 1.0
Mean Insertion loss* (dB)		1.0 ± 0.2	1.0 ± 0.2
Through Path Flatness (dB)	Typ.	± 0.5	± 0.5
Coupled Port Flatness (dB)	Typ.	± 1.5	± 1.5
Return Loss (dB) Thru line	Typ.	20	18
	Min.	15	14
Return Loss (dB) Coupled port	Typ.	20	18
	Min.	12	12
Directivity** (dB)	Typ.	14	14

\* Excluding coupling loss  
 \*\*Directivity across frequency band will vary.  
 10MHz Rejection is 50dB on coupled port

## Broadcast



## Marine Oil & Gas



## SNG & VSAT



## Satellite Teleport





RF Components

Model Number:

**ODU-4307**

*IP67 10dB L-band Directional Coupler*

**Technical specifications and operating parameters**

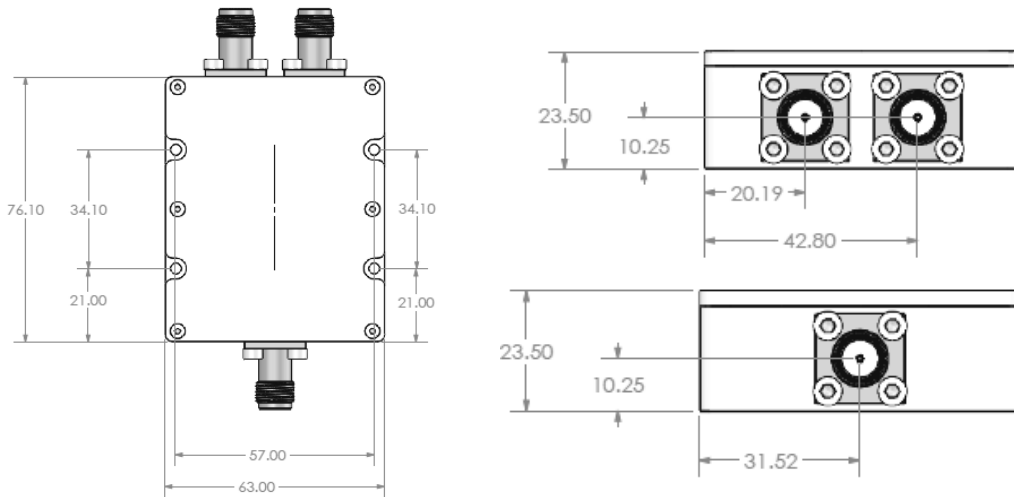
Environmental		
Operating Temperature		-40°C to +85°C
Storage Temperature		-50°C to +100°C
Location		Indoor / Outdoor IP67* use
Humidity	Max	95% non-condensing
Altitude	Max	10,000 feet

Max Operating Parameters	
Input RF Power	+37 dBm 5W
DC Pass Current	500 mA
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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