



# Model Number U59112

## MUOS SATCOM Triplexer/LNA Assembly

Rev.-  
6/21/09



### Features:

- Cavity Design
- Integrated LNA
- Low Loss

### Applications:

- Maritime
- Mobile
- Base Station

### Package size:

- 33 x 9 x 6"
- (Please see outline for exact dimensions)

### Specifications: (+25C)

Receive Port	
Passband 1 frequency	243 to 270.5 MHz
Passband 2 frequency	338 to 380 MHz
Gain	32 ±2 dB at Center Frequencies
Gain Ripple	1 dB Maximum of Center Frequency
1 dB Bandwidth	±27.5 MHz Minimum at Center Frequencies
3 dB Bandwidth	±37 MHz Minimum at 256.75MHz ±50MHz Minimum at 359 MHz
Noise Figure	3.0 dB Maximum
Insertion Loss	1.0 dB Maximum
Insertion Loss Ripple	±0.5 dB (over passbands)
VSWR	1.5:1
Ultimate Rejection	60 dB from 300 kHz to 205 MHz 90 dB from 205 to 225 MHz 100 dB from 280 to 322 MHz 60 dB from 400to 1000MHz 40 dB from 1 to 10GHz 20 dB from 10 to 36GHz
Transmit Port	
Passband	280 to 322 MHz
Insertion Loss	1.1 dB Maximum
Insertion Loss Ripple	±.50 (over passbands)
VSWR	1.2:1
Rejection	90 dB from 243 to 270.5 MHz 90 dB from 338 to 380 MHz
Connectors	SMA Female (RX) Type N Female (TX and ANT) Military Connector D38999 (Power)

## Delta Microwave

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Delta Microwave reserves the right to change specifications without notice. Please verify specification revision letter upon order placement.