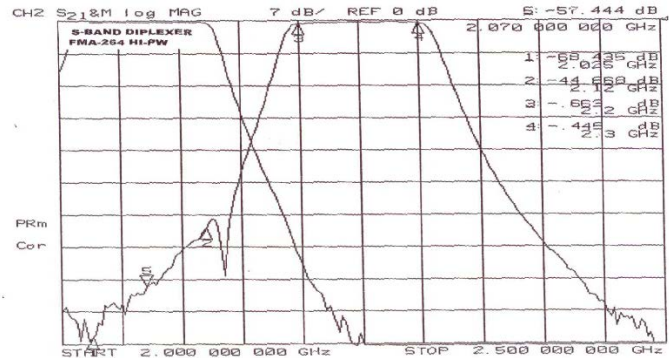
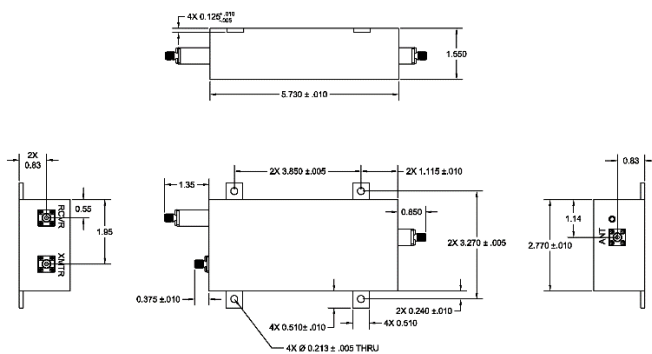




FMA-264HI-PW

S-BAND DIPLEXER



DESCRIPTION

This diplexer was developed to operate in the S-Band system NASA networks. It covers the full S-Band range with low insertion loss and high inter-channel isolation.

Spurious frequencies in the receive channel are suppressed by 60 dB to 20 GHz. The transmit channel can accept signals up to 100 watts CW.

ELECTRICAL SPECIFICATIONS

TRANSMIT TO ANTENNA CHANNEL

Passband	2200-2300 MHz
Passband Loss	0.6 dB max.
Insertion Loss @F _c	0.4 dB max.
VSWR over passband	1.4:1 max.
Rejection	
@ 2120 MHz	45 dB min.
@ 2025 MHz	60 dB min.
Input Power, max.	100 W max.

ANTENNA TO RCVR CHANNEL

Passband	2025-2120 MHz
Passband Loss	0.6 dB max.
Insertion Loss @F _c	0.4 dB max.
VSWR over passband	1.4:1 max.
Rejection	
@ 2200 MHz	50 dB min.
@ 2300 MHz	70 dB min.
to 20 GHz	60 dB min.

GENERAL CHARACTERISTICS

Size, including connectors	7.93" x 3.79" x 1.55"
Weight	1 lb. 6 oz. max.
Connectors	SMA (Female)

FEATURES

- Low Insertion Loss
- High Channel Isolation
- High Input Power
- Lightweight Rugged Construction
- Small Size

REV: 11/18/2019