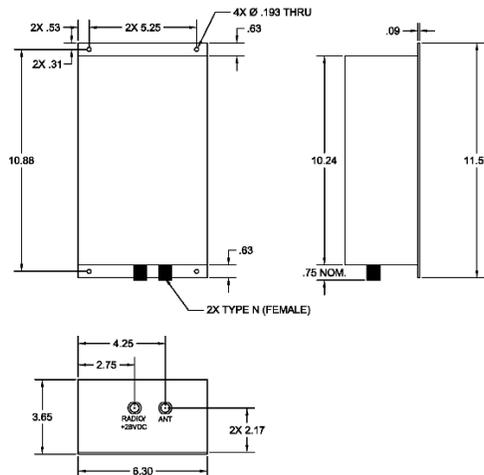




# FAM-232T

# UFO/ MUOS ANTENNA DIPLEXER /LNA



## ELECTRICAL SPECIFICATIONS

### RECEIVE MODE J1 to J2

#### Low Pass Band, 243-270 MHz

Gain	30 dB min. / 33 dB max.
Variation	1.5 dB nom.
VSWR	1.6:1 max.
Noise Figure	3.1 dB max.
1dB Compression, Input	-16 dBm min.

#### High Pass Band, 360-380 MHz

Gain	29.5 dB min. / 32.5 dB max.
Variation	1.0 dB max.
VSWR	1.5:1 max.
Noise Figure	2.7 dB max.
1 dB Compression, Input	-13 dBm min.

#### Rejection, Reference peak gain

0-200 MHz	90 dB min.
200-220 MHz	70 dB min.
290-330 MHz	30 dB min.
410-430 MHz	65 dB min.
430-2000 MHz	90 dB min.
2000-3000 MHz	85 dB min.

### TRANSMIT MODE J2 to J1

#### Passband

290-292 MHz	1.3 dB max.
292-305 MHz	1.2 dB max.
305-315 MHz	1.0 dB max.
315-322 MHz	1.2 dB max.
VSWR 290-322 MHz	1.5:1 max.

#### Rejection

0-220 MHz	90 dB min.
220-270 MHz	47 dB min.
360-420 MHz	48 dB min.
420-1400 MHz	90 dB min.
1400-2120 MHz	75 dB min.
2120-2500 MHz	65 dB min.

## GENERAL CHARACTERISTICS

ENVIRONMENT	Shipboard/ Weatherproof (IP-68)
TEMPERATURE	
Operating	-40° C to +60° C
Storage	-50° C to +85° C
WEIGHT	9.5 lbs. nom.
SIZE, excluding connectors	11.50" x 6.30" x 3.65"
CONNECTORS	
ANTENNA	Type N (Female)
RADIO/ DC INPUT	Type N (Female)
POWER (via Internal BIAS-TEE)	
Voltage	+20 to +32 VDC
Current	90mA nom.

REV: 6/10/2022