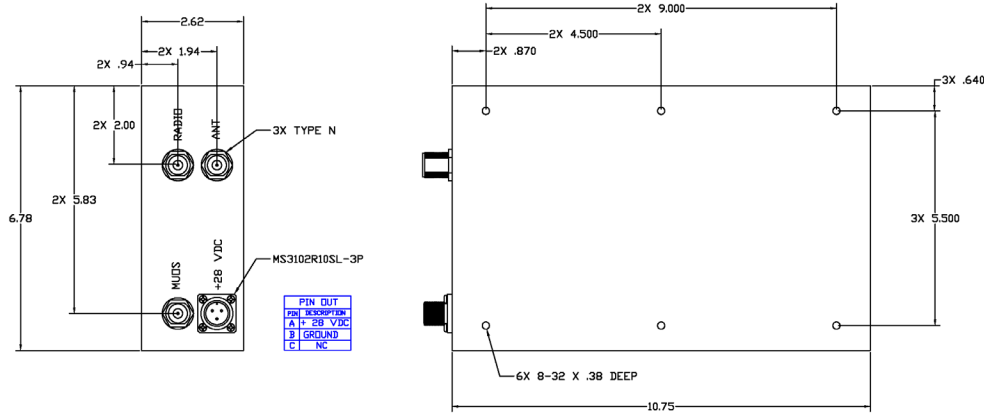




FAM-232M

UFO/ MUOS ANTENNA DIPLEXER /LNA



ELECTRICAL SPECIFICATIONS

RECEIVE MODE ANT to RADIO

UFO 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.

Rejection, Reference peak gain

0-200 MHz	90 dB min.
200-220 MHz	70 dB min.
290-330 MHz	30 dB min.
335-360 MHz	60 dB min.
360-390 MHz	80 dB min.
390-3000 MHz	90 dB min.

RECEIVE MODE ANT to MUOS

MUOS 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

0-230 MHz	90 dB min.
230-330 MHz	80 dB min.
410-430 MHz	65 dB min.
430-3000 MHz	90 dB min.

TRANSMIT MODE RADIO to ANT

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

0-210 MHz	90 dB min.
210-236 MHz	70 dB min.
236-270 MHz	55 dB min.
350-365 MHz	70 dB min.
365-1950 MHz	90 dB min.
1950-2500 MHz	70 dB min.

GENERAL CHARACTERISTICS

ENVIRONMENT	Airborne/Shipboard*
TEMPERATURE	
Operating	-40° C to +60° C
Storage	-50° C to +85° C
WEIGHT	8.0 lbs. nom.
SIZE, excluding connectors	10.75" x 6.78" x 2.62"
CONNECTORS	
ANTENNA	Type N (Female)
RADIO	Type N (Female)
MUOS	Type N (Female)
+28 VDC	MS3102R10SL-3P
POWER	
Voltage	+20 to +32 VDC
Current	90mA nom.

* Not directly exposed to weather

REV: 11/30/18