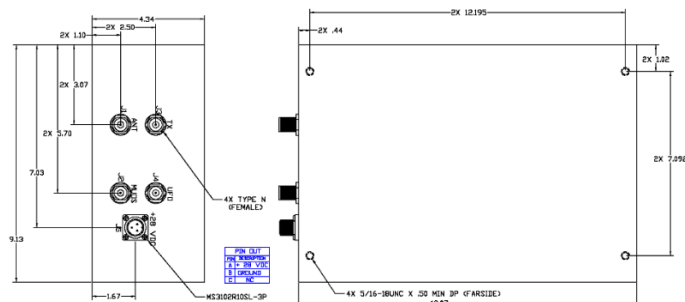




FAM-144M

UFO/MUOS TRIPLEXER



ELECTRICAL SPECIFICATIONS

RECEIVE CHANNEL CHARACTERISTICS,

J1-J2 (MUOS)

PASSBAND GAIN

360-380 MHz	9.2 dB nom.
Gain Flatness	+/- 0.5 dB max.
VSWR	1.5:1 max.

GROUP DELAY VARIATION

360.2-364.8; 375.2-379.8 MHz	18 nS max.
365.2-369.8; 370.2-374.8 MHz	6.5 nS max.
Noise Figure	3.5 dB max.
Gain Compression, Input	+9 dBm min.

STOPBAND

0-200 MHz	90 dB min.
200-290 MHz	75 dB min.
290-322 MHz	90 dB min.
425-930 MHz	85 dB min.
930-1230 MHz	90 dB min.
1230-1500 MHz	50 dB min.

RECEIVE CHANNEL CHARACTERISTICS,

J1-J4 (LEGACY)

PASSBAND GAIN

243-270 MHz	33 dB nom.
Gain Flatness	+/- 0.5 dB max.
VSWR	1.5:1 max.

Noise Figure	3.0 dB max.
Gain Compression, Input	-16 dBm min.

STOPBAND

0-180 MHz	90 dB min.
180-200 MHz	70 dB min.
200-220 MHz	45 dB min.
290-350 MHz	90 dB min.
350-385 MHz	75 dB min.
385-930 MHz	90 dB min.
930-1500 MHz	35 dB min.

TRANSMIT CHANNEL CHARACTERISTICS, J3-J1

PASSBAND INSERTION LOSS

290-300 MHz	1.25 dB max.
300-320 MHz	1.15 dB max.
VSWR 290-320 MHz	1.5:1 max.

GROUP DELAY VARIATION

300.5-304.5; 305.5-309.5; 310.5-314.5 MHz	6 nS max.
315.5-319.5 MHz	14 nS max.
Input Power, max. (15,000 ft.)	200W-CW

STOPBAND

0-260 MHz	90 dB min.
260-265 MHz	85 dB min.
265-270 MHz	80 dB min.
340-360 MHz	55 dB min.
360-1050 MHz	90 dB min.
1050-1500 MHz	45 dB min.

TRANSMIT TO UFO ISOLATION

0-235 MHz	90 dB min.
235-255 MHz	70 dB min.
255-270 MHz	50 dB min.
291-320 MHz	75 dB min.
320-1070 MHz	90 dB min.

TRANSMIT TO MUOS ISOLATION

0-350 MHz	90 dB min.
350-375 MHz	85 dB min.
375-1500 MHz	90 dB min.

GENERAL CHARACTERISTICS

ENVIRONMENT	SHIPBOARD/IP66
WEIGHT	14 lbs. nom.
SIZE, excluding connectors	13.07" x 9.13" x 4.34"
CONNECTORS	Type N (Female)
DC Power, 22-32 VDC	0.2A nom.

REV 8/24/2023