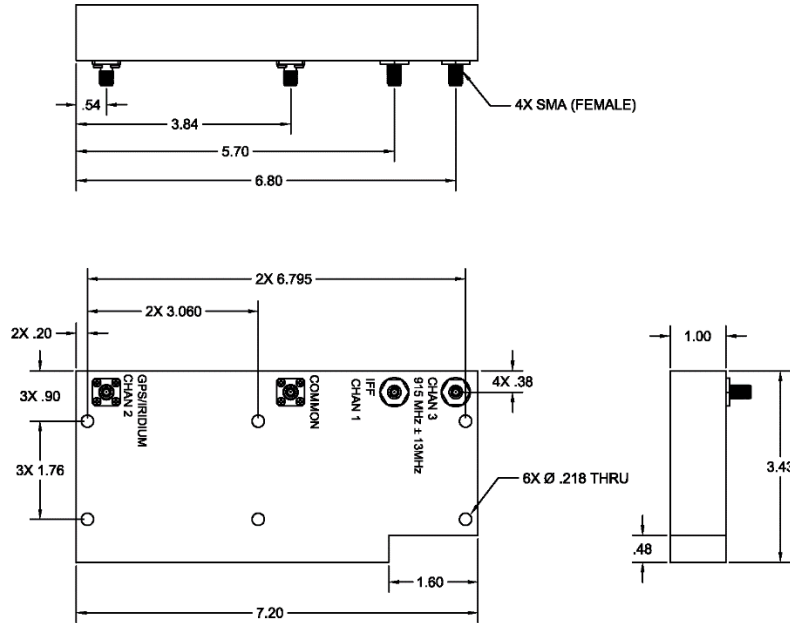




# FMA-317A

# GPS/IRIDIUM - IFF DIPLEXER



## ELECTRICAL SPECIFICATIONS

### CHANNEL 1 (IFF)

Frequency, Passband	900-1120 MHz
VSWR	1.5:1 max.
Insertion Loss	0.7 dB max.
Rejection	
1215-1230 MHz	30 dB min.
1230-1630 MHz	40 dB min.
Isolation	
To CH 2, 900-1120 MHz	70 dB min.
1215-1230 MHz	30 dB min.
1230-1630 MHz	40 dB min.
To CH 3, 900-1120 MHz	33 dB min.

### CHANNEL 2 (GPS/IRIDIUM)

Frequency, Passband	1215-1240, 1563-1630 MHz
Insertion Loss	
1215-1240 MHz	0.7 dB max.
1563-1630 MHz	0.5 dB max.
VSWR	1.5:1 max.
Rejection, 900-1120 MHz	70 dB min.
Isolation to CH1, CH 3, 900-1120 MHz	70 dB min.

### CHANNEL 3 (PACKET)

Frequency, Passband	902-928 MHz
VSWR	1.4:1 max.
Insertion Loss	23± 3 dB
Rejection, 1215-1630 MHz	60 dB min.
Isolation	
To CH 1, 900-1120 MHz	33 dB min.
To CH 2, 1215-1630 MHz	40 dB min.

## GENERAL CHARACTERISTICS

TEMPERATURE	-54° C to +85° C
WEIGHT	37 oz. max.
SIZE, excluding connectors	7.20" x 3.43" x 1.00"
CONNECTORS	SMA (female)

REV: 10/6/2022