



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

DC-2650 MHz / 2950-6000 MHz

Suspended Substrate Diplexer

Part Number: AE2650-2950DB5451

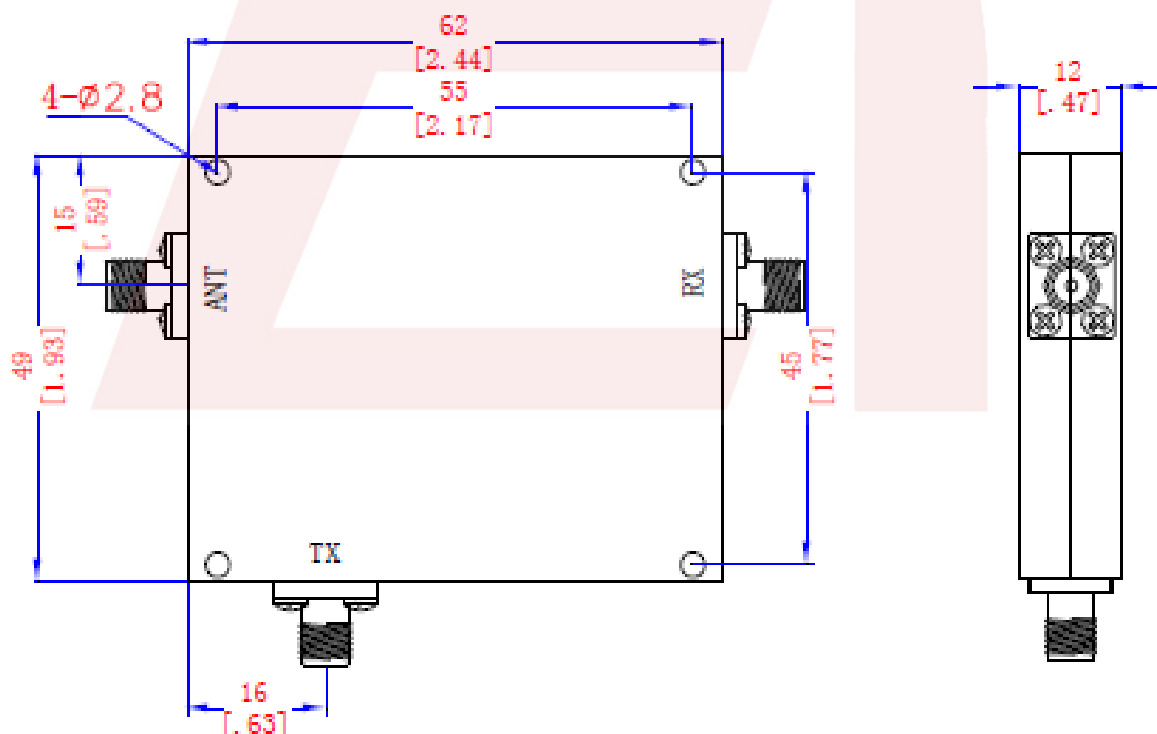


Characteristics	Band 1 (RX)	Band 2 (TX)
Passband:	DC-2650 MHz	2950-6000 MHz
Insertion Loss:	1.0 dB Max	1.0 dB Max
Crossover Insertion Loss:	5.0 dB Max	5.0 dB Max
Crossover Frequency Offset:	±2.5%	±2.5%
Return Loss:	10.88 dB Min	10.88 dB Min
Rejection:	50 dB Min @ 3250 - 6000 MHz	50 dB Min @ DC - 2350 MHz
Power Handling:	20 W CW	20 W CW

Mechanical	
Mounting Method:	2.8 mm Through Holes
Connector Type:	SMA (F)
Dimensions:	2.44 x 1.93 x 0.47 in 62 x 49 x 12 mm

Environmental	
Operating Temperature:	-40°C to +75°C
Storage Temperature:	-50°C to +85°C
Shock:	20 G. 11ms
Vibration:	20 G. 5 to 2000 Hz

Outline Drawing:



Tolerance: ± 0.3mm

Reference DCR: D050719-03A

DS- DB5451-07092025-Rev1