



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 1025-1035 MHz / 1085-1095 MHz Cavity Duplexer

**Part Number: AD1030-1090D413**



Characteristics	Band 1 (RX)	Band 2 (TX)
Passband:	1025-1035 MHz	1085-1095 MHz
Bandwidth:	10 MHz	10 MHz
Passband Return Loss:	≥ 18 dB	≥ 18 dB
Passband Insertion Loss:	≤ 1.1 dB	≤ 1.1 dB
Passband Ripple:	0.2 dB	0.2 dB
Input / Output Impedance:	50 Ohms	50 Ohms
Isolation:	≥ 60 dB	≥ 60 dB
Power Handling:	50 Watts Average	50 Watts Average
Peak Power:	3.5 kW Max (Max Pulse Width = 50 uS)	

Mechanical	
Mounting Method:	4-40 Threaded Mounting Holes
Connector Type:	N-Type (F)
Dimensions:	110 x 82.5 x 59mm

Environmental	
Operating Temperature:	-40 to +70 deg.C
Storage Temperature:	-50 to +90 deg.C

## Outline Drawing:

