



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

**440-444 MHz / 453-460 MHz  
Cavity Duplexer  
Part Number: AD442-456D384**

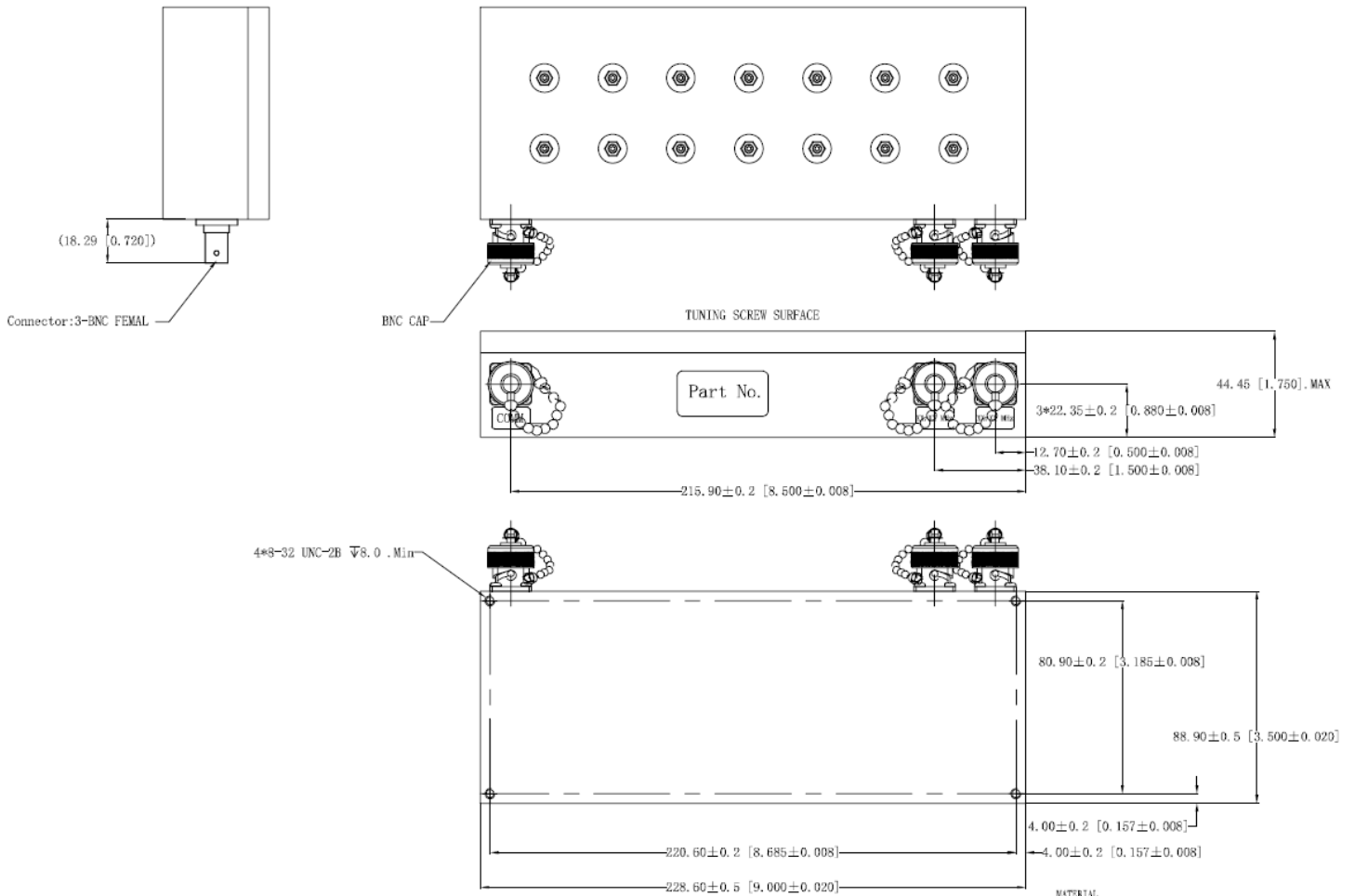


Characteristics	Band 1 (Rx)	Band 2 (Tx)
Passband frequency:	440-444 MHz	453-460 MHz
Insertion loss in bands:	1.0 dB max	1.0 dB max
Return loss in bands:	15 dB min	15 dB min
Rejection:	40 dB min@453-460 MHz	40 dB min@440-444 MHz
Port to port isolation:	40 dB min	40 dB min
Power handling:	50 Watts	50 Watts

Mechanical	
Mounting Method:	Threaded Mounting Holes
Connector Type:	BNC (F)
Dimensions:	8.50" x 3.50" x 1.75" in

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

**Outline Drawing:**





**Plots:**

