



# 1920-1980 MHz / 2110-2170 MHz Ceramic Duplexer



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

**Part Number: AM1900D325**

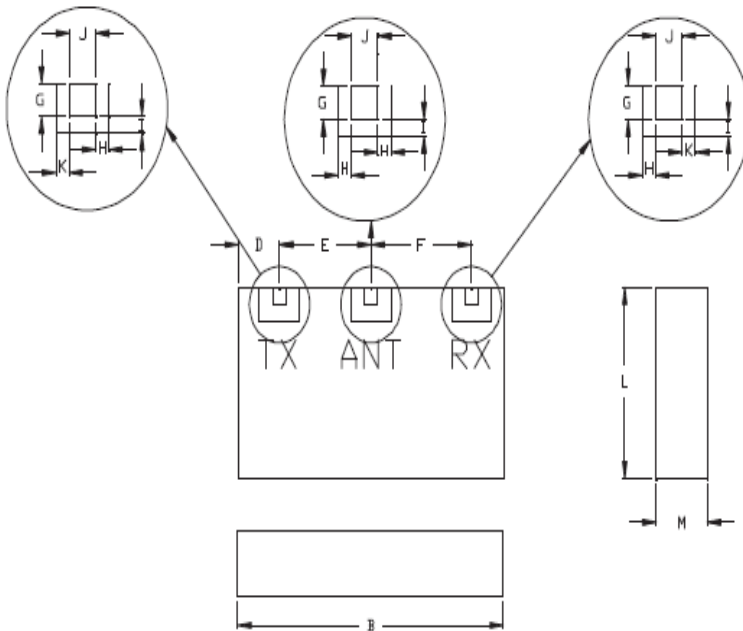
<u>Characteristics</u>	<u>Band 1</u>	<u>Band 2</u>
<b>Passband:</b>	1920-1980 MHz	2110-2170 MHz
<b>Bandwidth:</b>	60 MHz	60 MHz
<b>Passband Return Loss:</b>	10.5 dB min	10.5 dB min
<b>Passband Insertion Loss:</b>	1.5 dB max	2.0 dB max
<b>Passband Ripple:</b>	0.5 dB max	0.6 dB max
<b>Input / Output Impedance:</b>	50 Ohms	50 Ohms
<b>Isolation:</b>	51 dB min	46 dB min
<b>Power Handling:</b>	2 W max	2 W max

<u>Mechanical</u>	
<b>Mounting Method:</b>	SMT
<b>Dimensions:</b>	9.93 x 5.45 x 1.90 mm

<u>Environmental</u>	
<b>Operating Temperature:</b>	-40 to +70 deg.C
<b>Storage Temperature:</b>	-50 to +90 deg.C

This product is RoHs compliant.

## Outline Drawing:



Dim	Nominal (mm)	Tolerance (mm) +/- or max
B	9.93	max
D	1.30	0.13
E	3.48	0.13
F	3.76	0.13
G	0.76	0.13
H	0.64	0.13
I	0.64	0.13
J	0.76	0.13
K	0.51	0.13
L	5.45	max
M	1.90	max

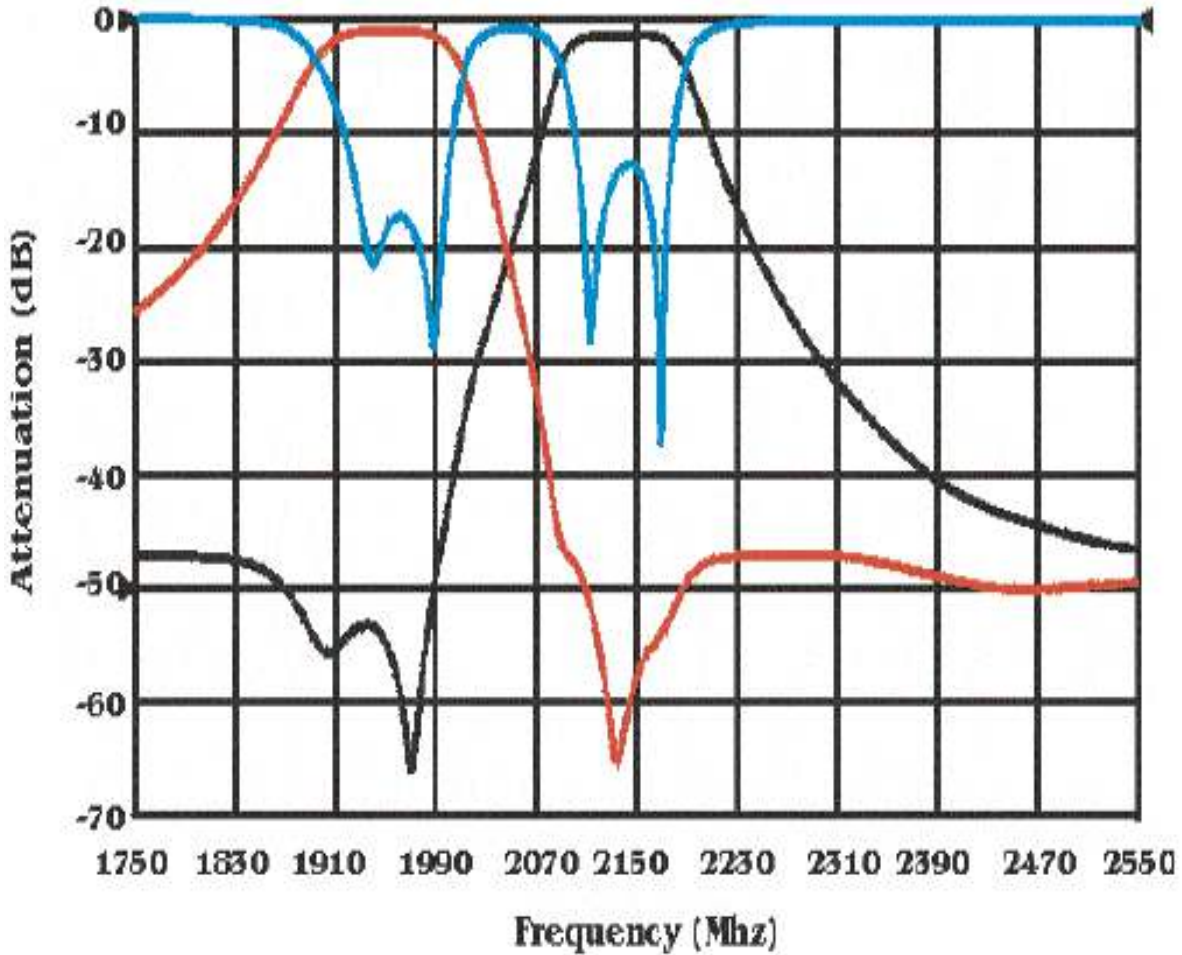


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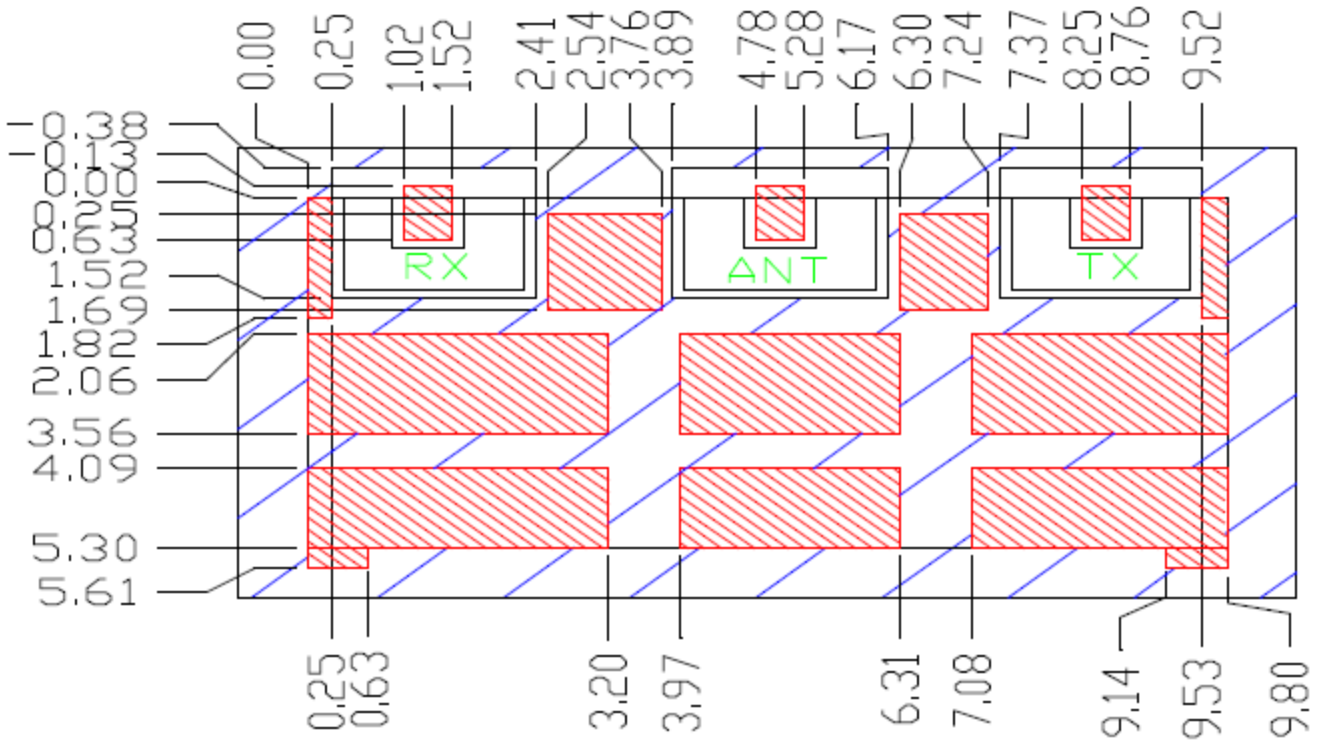





**Response Plot:**





**PCB Layout:**



- Filter Outline
-  Exposed Conductor
-  Solder Resist Over Dielectric
-  Solder Resist Over Conductor



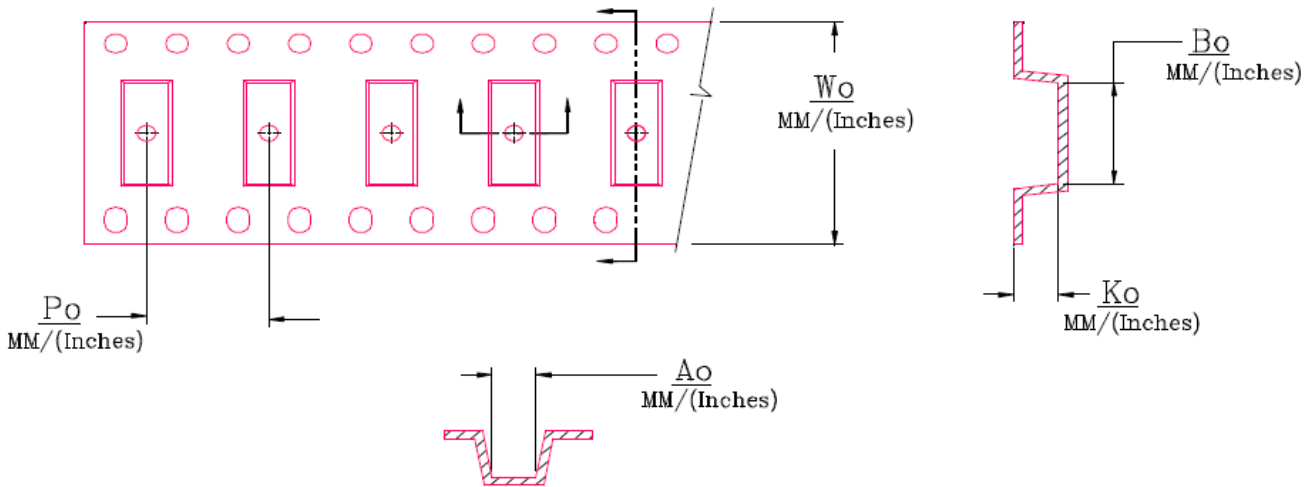
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**Packaging Information:**

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	1.73
REEL QUANTITY	ea.	1000



$W_o$	$A_o$	$B_o$	$K_o$	$P_o$
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
0.945" / 24.0	0.238" / 6.05	0.415" / 10.54	0.090" / 2.29	0.315" / 8.0