



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

# 1230 MHz / 1585 MHz Ceramic Duplexer

**Part Number: AM1230-1585D1133**



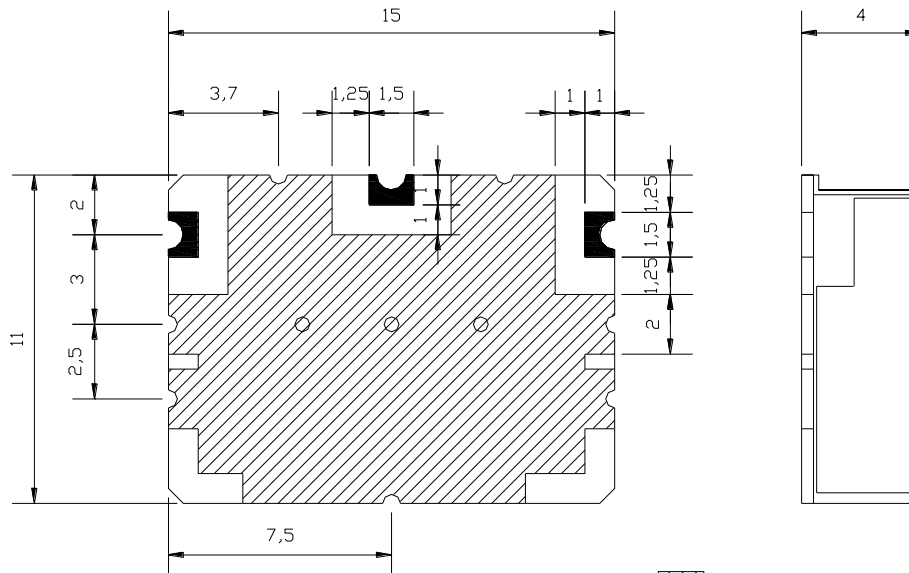
<u>Characteristics</u>	<u>Band 1</u>	<u>Band 2</u>
<b>Passband:</b>	1190-1270 MHz	1545-1625 MHz
<b>Bandwidth:</b>	Fo +/- 40 MHz	Fo +/- 40 MHz
<b>Passband Return Loss:</b>	10 dB min	10 dB min
<b>Passband Insertion Loss:</b>	1.0 dB max	1.0 dB max
<b>Ripple in BW:</b>	0.2 dB	0.2 dB
<b>Input / Output Impedance:</b>	50 Ohms	50 Ohms
<b>Attenuation:</b>	10 dBc min @ 1030 MHz 10 dBc min @ 1530 MHz	10 dBc min @ 1400 MHz 10 dBc min @ 1800 MHz
<b>Isolation:</b>	15 dB min	15 dB min
<b>Power Handling:</b>	3 W	3 W

<u>Mechanical</u>	
<b>Mounting Method:</b>	SMT
<b>Dimensions:</b>	15 x 11 x 4 mm

<u>Environmental</u>	
<b>Operating Temperature:</b>	-20 to +70 deg.C
<b>Storage Temperature:</b>	-50 to +90 deg.C

**This product is RoHs compliant.**

## Outline Drawing:



GROUND  
 IN/OUT PORT

UNIT : mm

TOLERANCE : +/- 0.3



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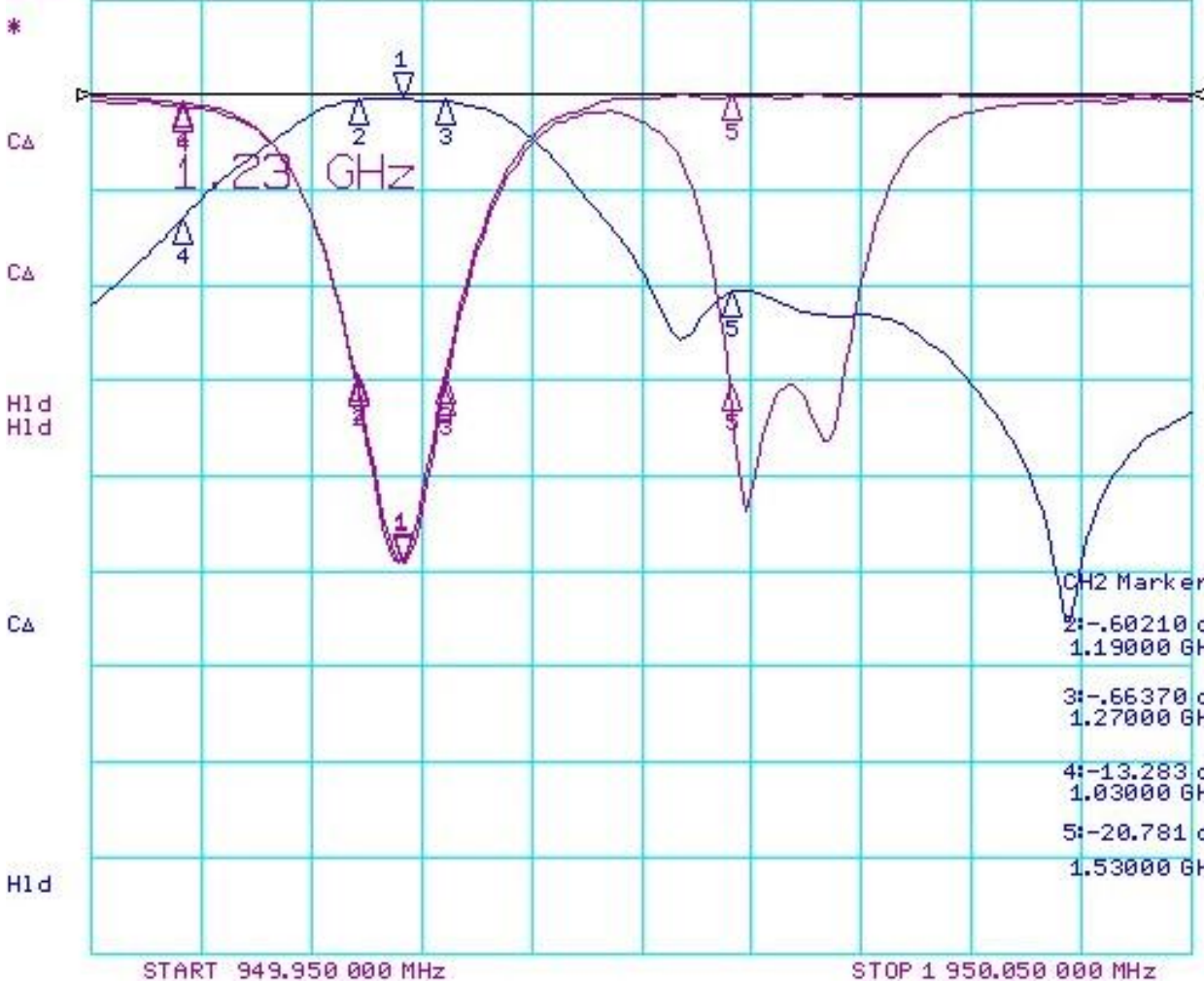
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### Response Plots:

CH1 S11 LOG 5 dB/REF 0 dB  
 CH2 S21 LOG 10 dB/REF 0 dB  
 CH3 S22 LOG 5 dB/REF 0 dB

1:-24.502 dB  
 1:-.48830 dB  
 1:-24.468 dB 1 230.000 000 MHz



#### CH1 Markers

2:-15.052 dB  
1.19000 GHz  
 3:-15.014 dB  
1.27000 GHz  
 4:-.43300 dB  
1.03000 GHz  
 5:-.13690 dB  
1.53000 GHz

#### CH2 Markers

2:-.60210 dB  
1.19000 GHz  
 3:-.66370 dB  
1.27000 GHz  
 4:-13.283 dB  
1.03000 GHz  
 5:-20.781 dB  
1.53000 GHz

#### CH3 Markers

2:-14.778 dB  
1.19000 GHz  
 3:-15.601 dB  
1.27000 GHz  
 4:-.64350 dB  
1.03000 GHz  
 5:-15.272 dB  
1.53000 GHz

START 949.950 000 MHz

STOP 1 950.050 000 MHz



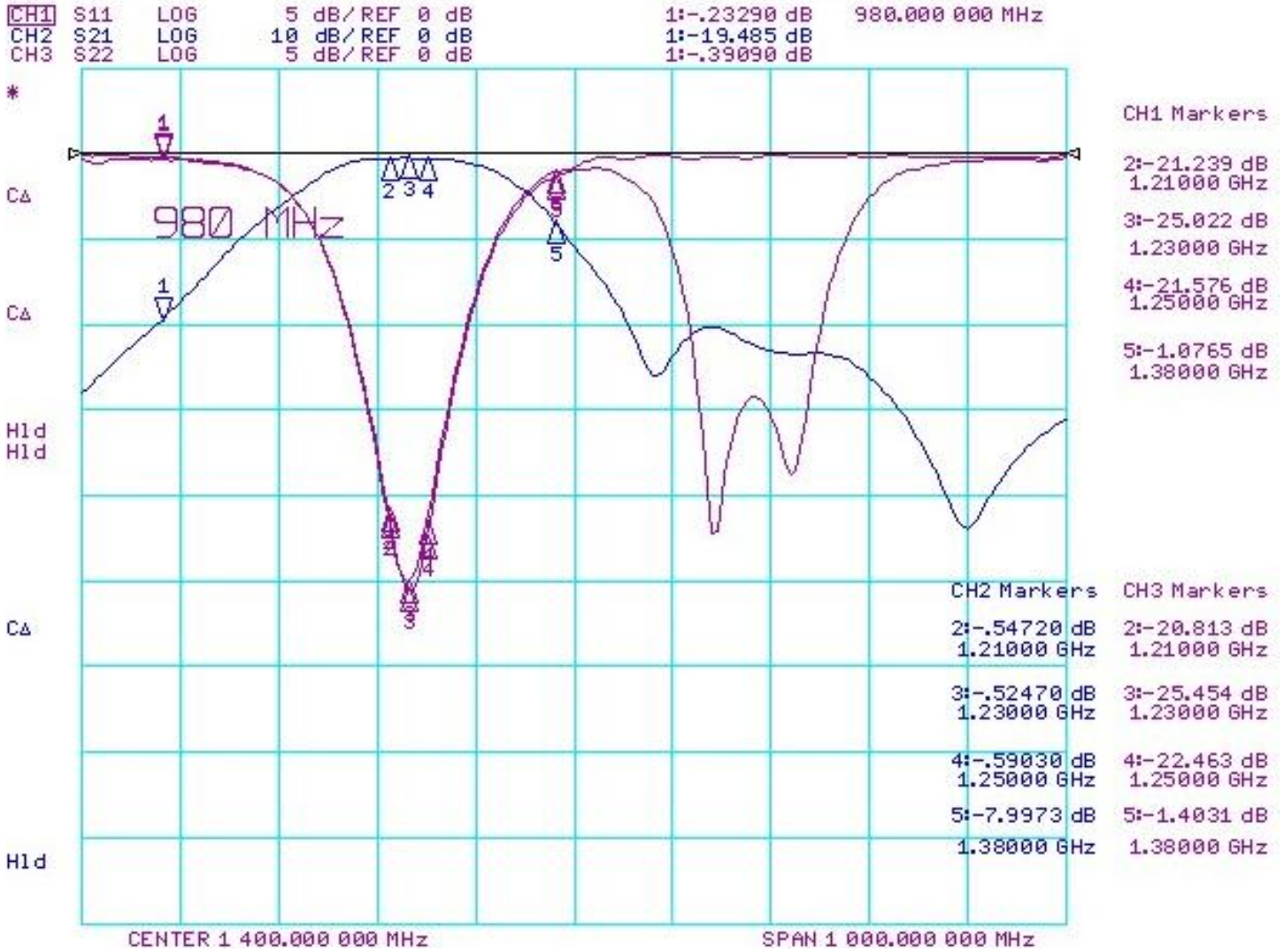
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### Response Plots:





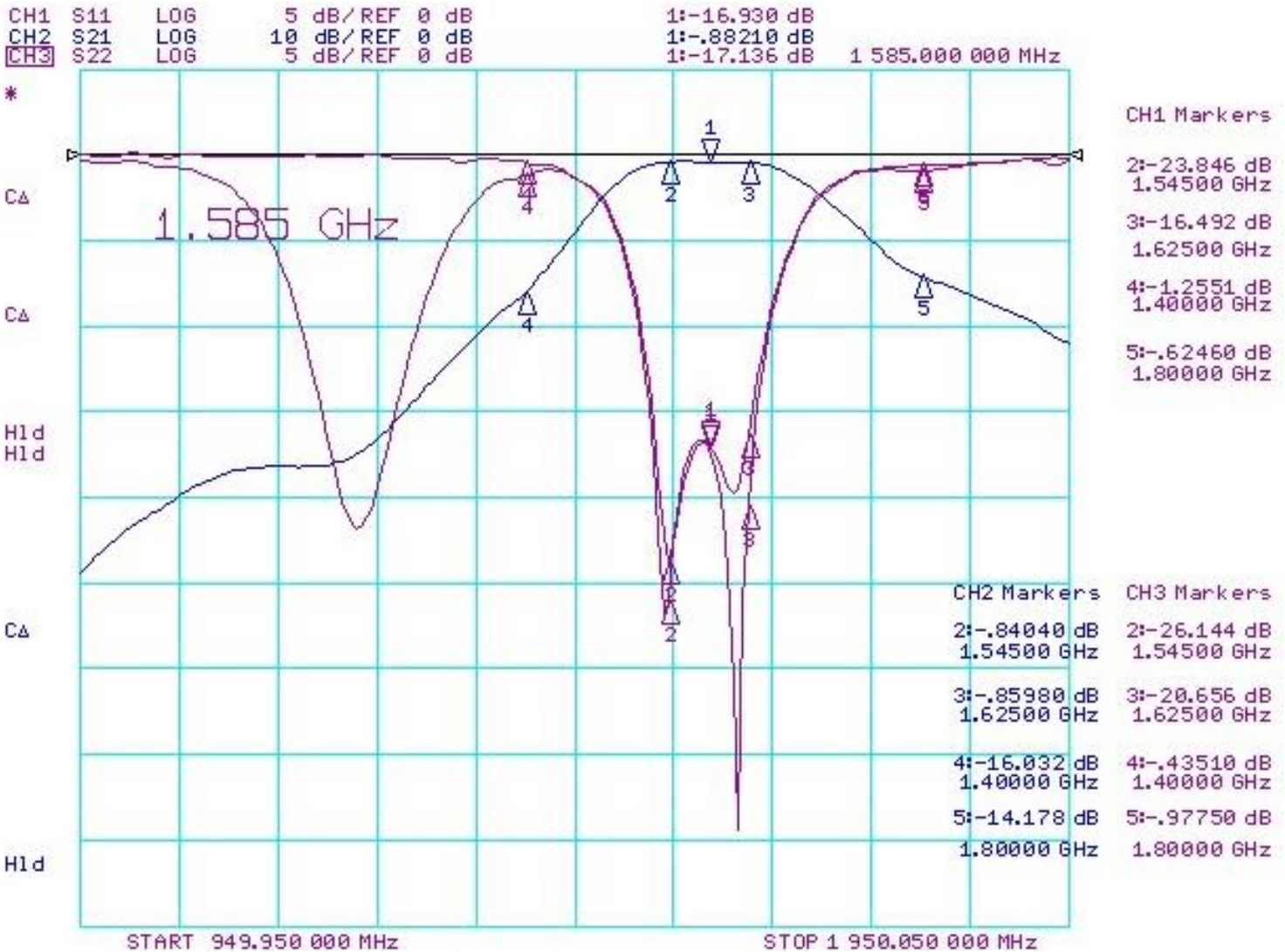
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### Response Plots:





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### Response Plots:

