



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

**1575.42 MHz / 1189.5 MHz**  
**Ceramic Duplexer**

**Part Number: AM1575-1189D1167**



## Electrical Specifications

**CH1 Center Frequency:** 1575.42 MHz  
**CH1 Bandwidth:** 35 MHz Centered on Fo  
**CH1 Insertion Loss in BW:** 2.8 dB Max  
**CH1 Insertion Loss Flatness over BW:** 0.5 dB  
Max  
**CH1 Return Loss (over 100% BW):** 14 dB Min

**CH2 Center Frequency:** 1189.5 MHz  
**CH2 Bandwidth:** 45 MHz Centered on Fo  
**CH2 Insertion Loss in BW:** 2.0 dB Max  
**CH2 Insertion Loss Flatness over BW:** 1.0 dB  
Max  
**CH2 Return Loss (over 100% BW):** 14 dB Min

**CH1 & CH2 Rejection:** > -50 dB @ 1000 MHz  
> -50 dB @ 1100 MHz  
> -50 dB @ 1278 MHz  
> -50 dB @ 1400 MHz  
> -30 dB @ 1504.42 MHz  
> -8 dB @ 1625.42 MHz  
> -50 dB @ 2000 MHz

## Mechanical

**Mounting Method:** SMT  
**Dimensions:** 40 x 30 x 8 mm

## Environmental

**Operating Temperature:** -30 to +85° C  
**Storage Temperature:** -45 to +95° C



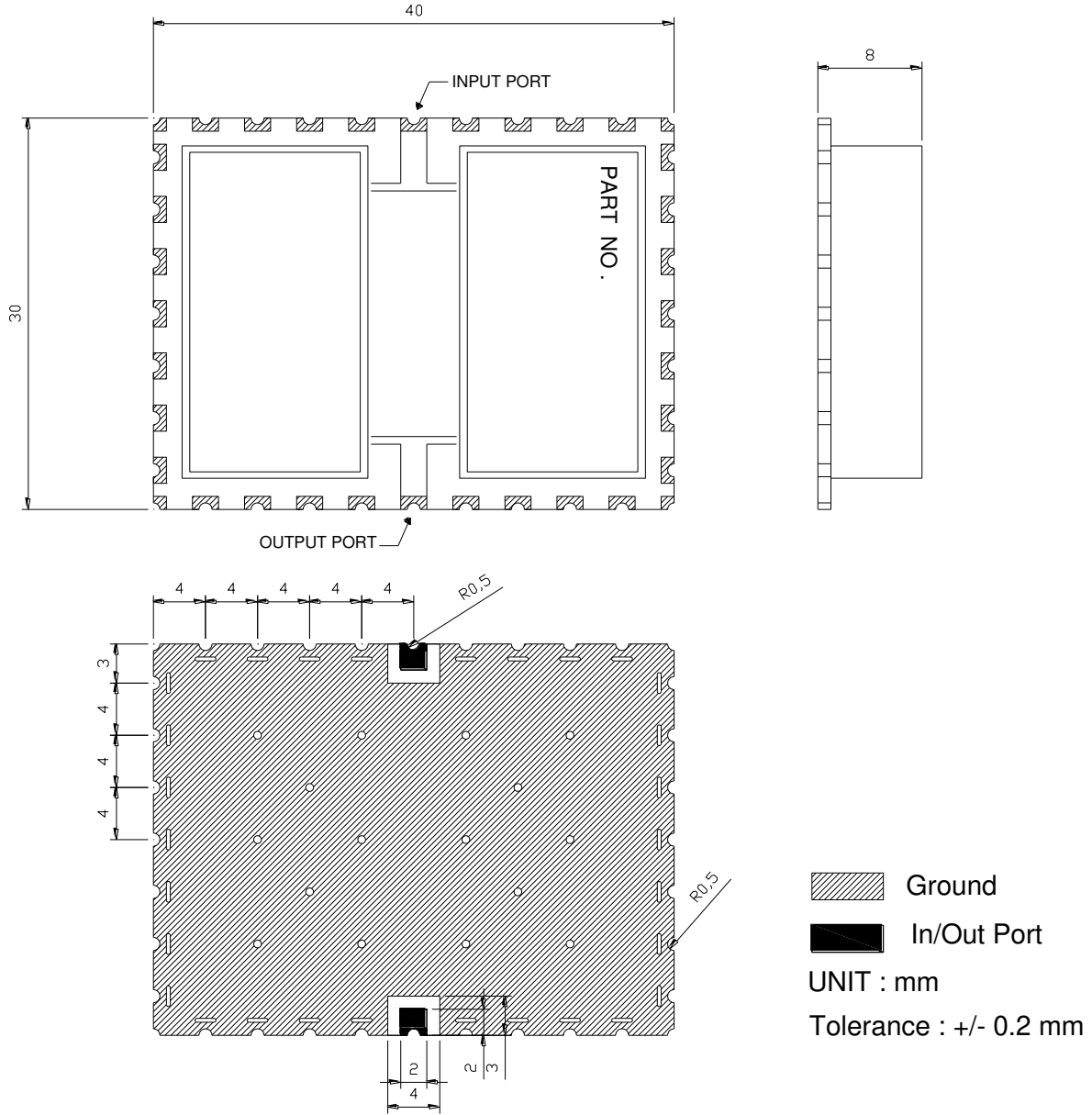
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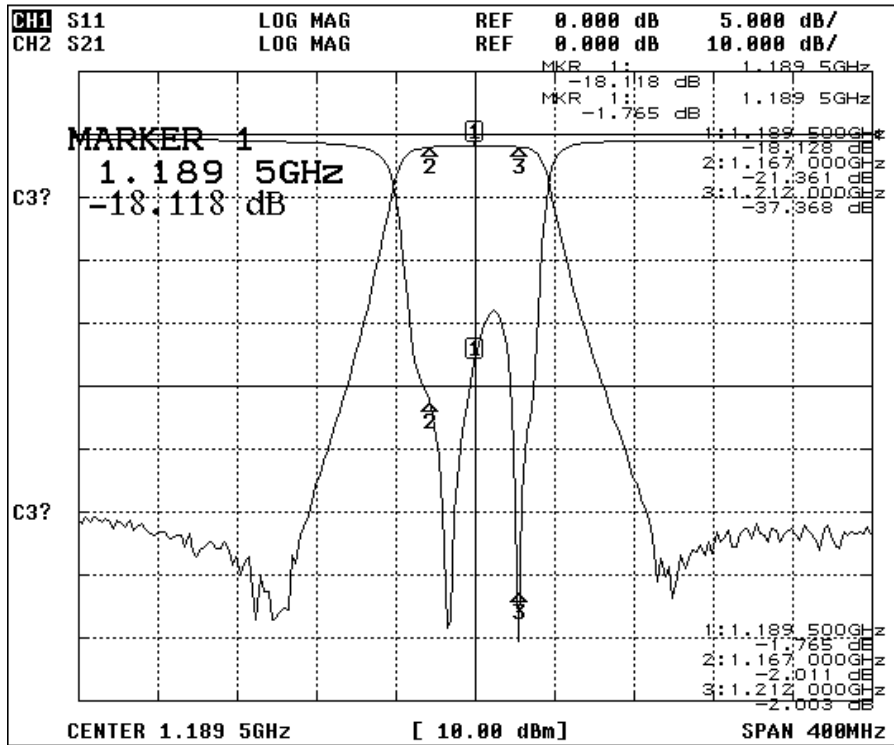


**Outline Drawing:**





**Response Plot:**



ACTIVATE MARKER

MARKER 1

MARKER 2

MARKER 3

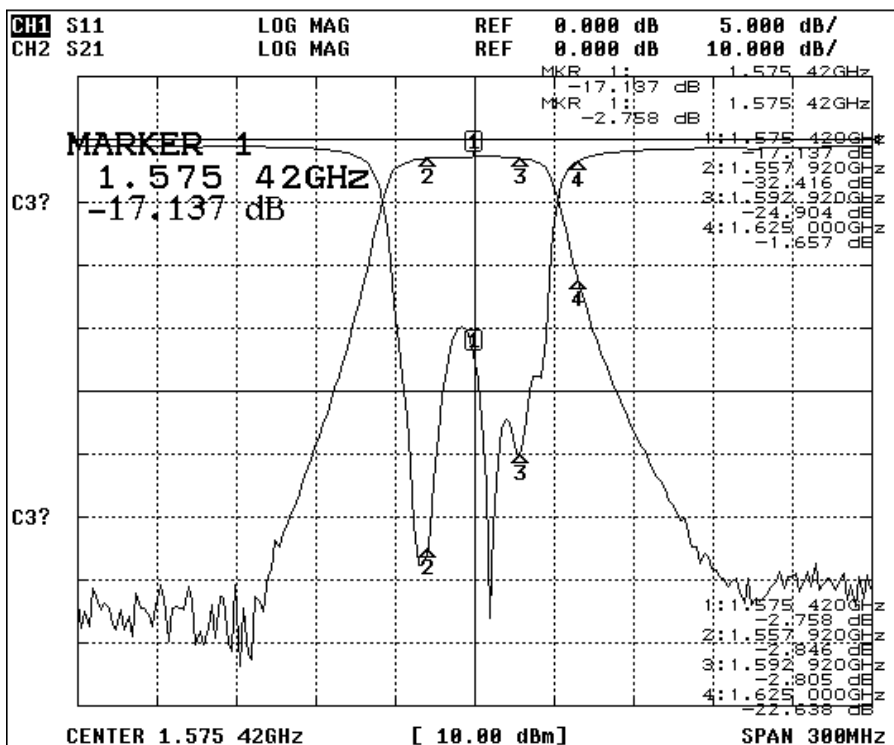
MARKER 4

MARKER 5

ACTIVATE MKR OFF

Return

More 1/2



BITMAP FILE

SAVE TO DISK

COMPRESSION ON OFF

TRUNCATE ON OFF

Return



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## Response Plot:

