

Typical Applications

- BPF for 3700 MHz Band System

Main Features

- High Reliability
- RoHS Compliant

Electrical Specifications

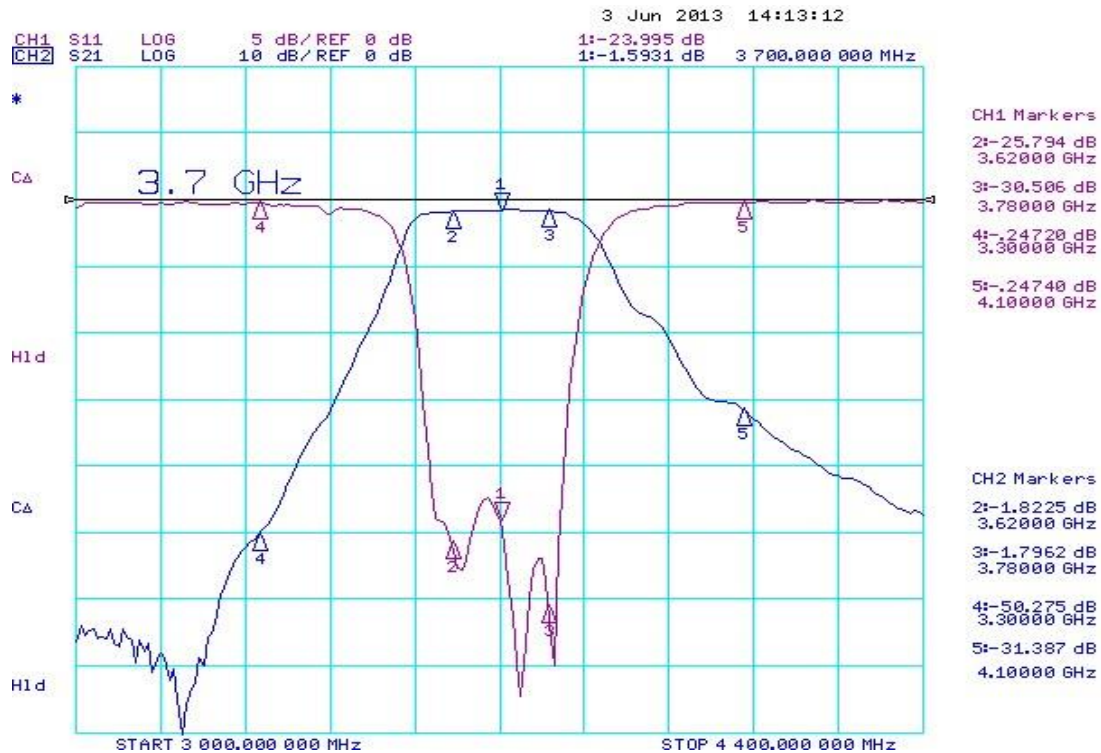
Parameter	Unit	Specification
Center Frequency (F0)	MHz	3700
Number of poles		4
1dB Bandwidth	MHz	260
Insertion Loss @ F0	dB	2.0 max
Ripple in BW	dB	1.0 max
Return Loss	dB	15 min
Rejection	dB	45 min @ DC ~ 500 MHz 30 min @ F0 ± 400 MHz 45 min @ F0 + 800 MHz to 6000 MHz 40 min @ 6000 ~ 6500 MHz
Out of band Intermodulation Product		With tow tones at F0±200MHz and F0±400MHz with level 0dBm, the intermodulation product in the bandwidth is less than -72dBm (output IP3>30dBm)
In band Intermodulation Product		With tow tones at F0±1MHz and F0±2MHz with level 0dBm, the intermodulation product in the bandwidth is less than -72dBm (output IP3>30dBm)
Operating Power	W	3 max CW
In/Out Impedance	Ohm	50 nominal

Environment

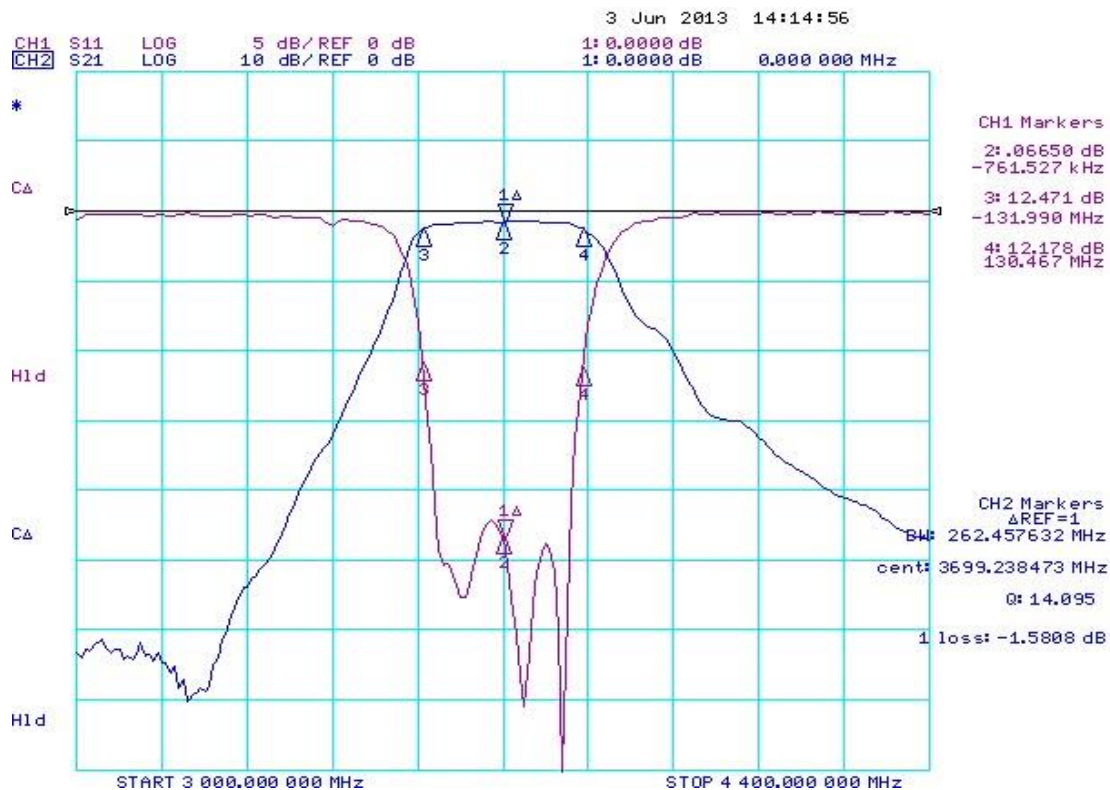
Parameter	Unit	Specification
Operating Temperature	°C	-40°C to +85°C

Typical Performances

Dielectric Band Pass Filter



Insertion Loss & Pass Band Ripple & Return Loss & Attenuation (@F0±400MHz)

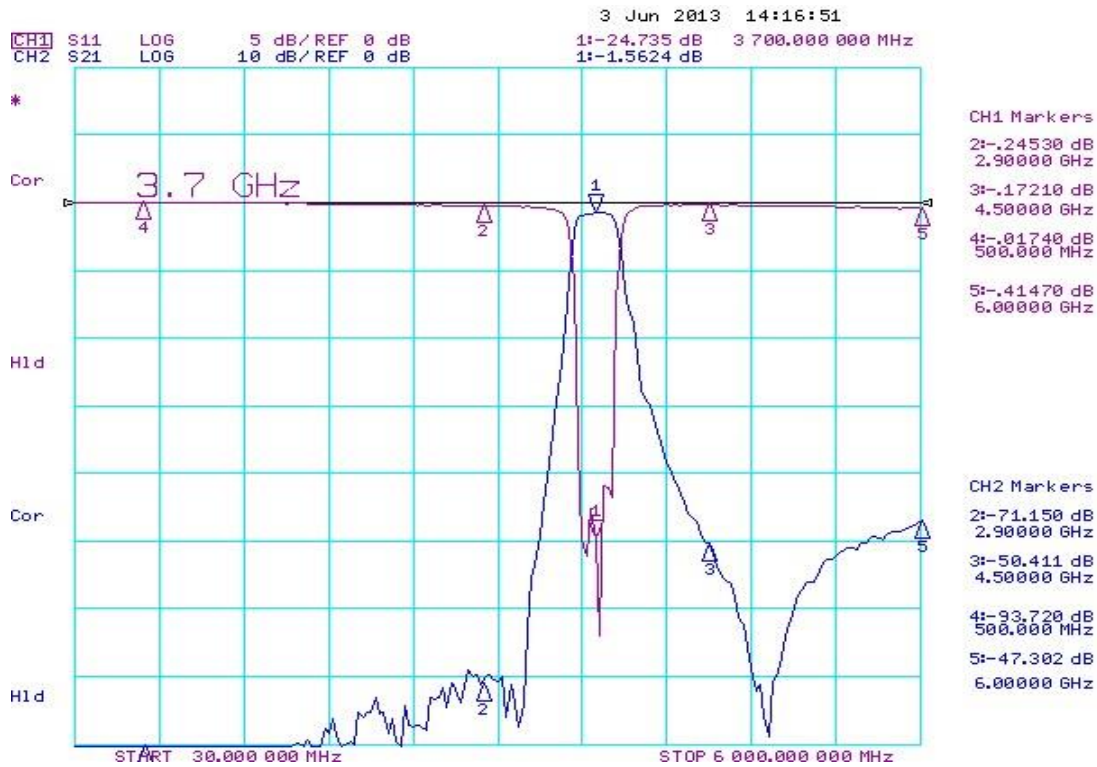


1dB Bandwidth

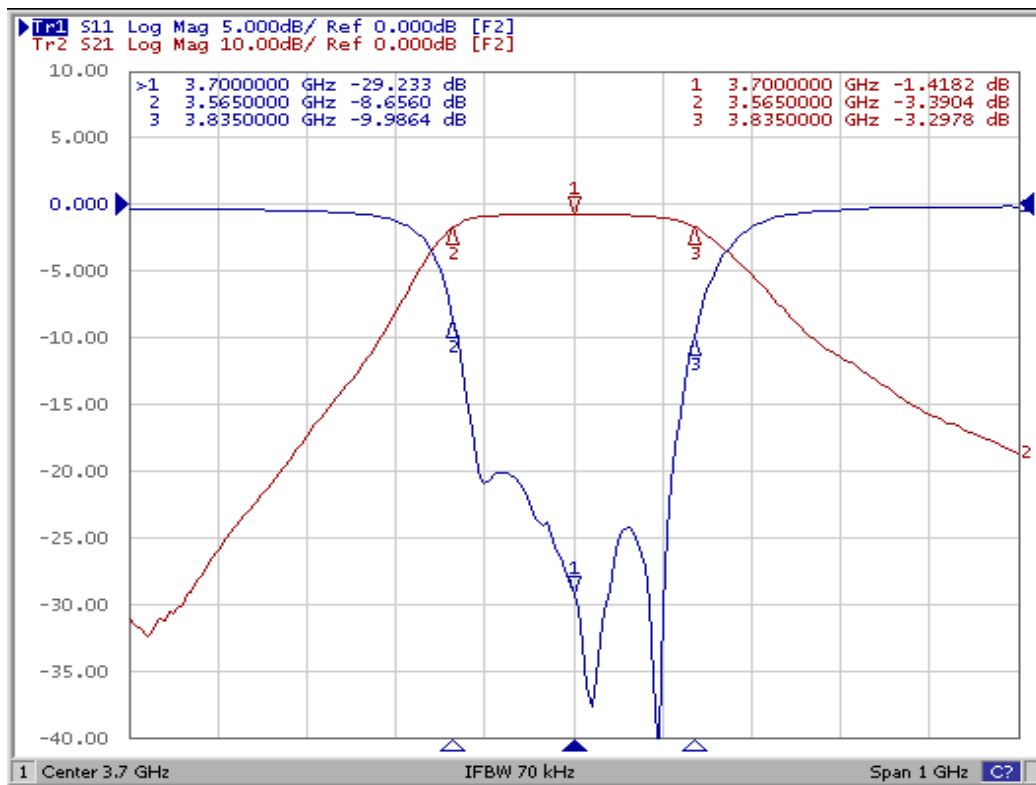
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Typical Performances

Dielectric Band Pass Filter



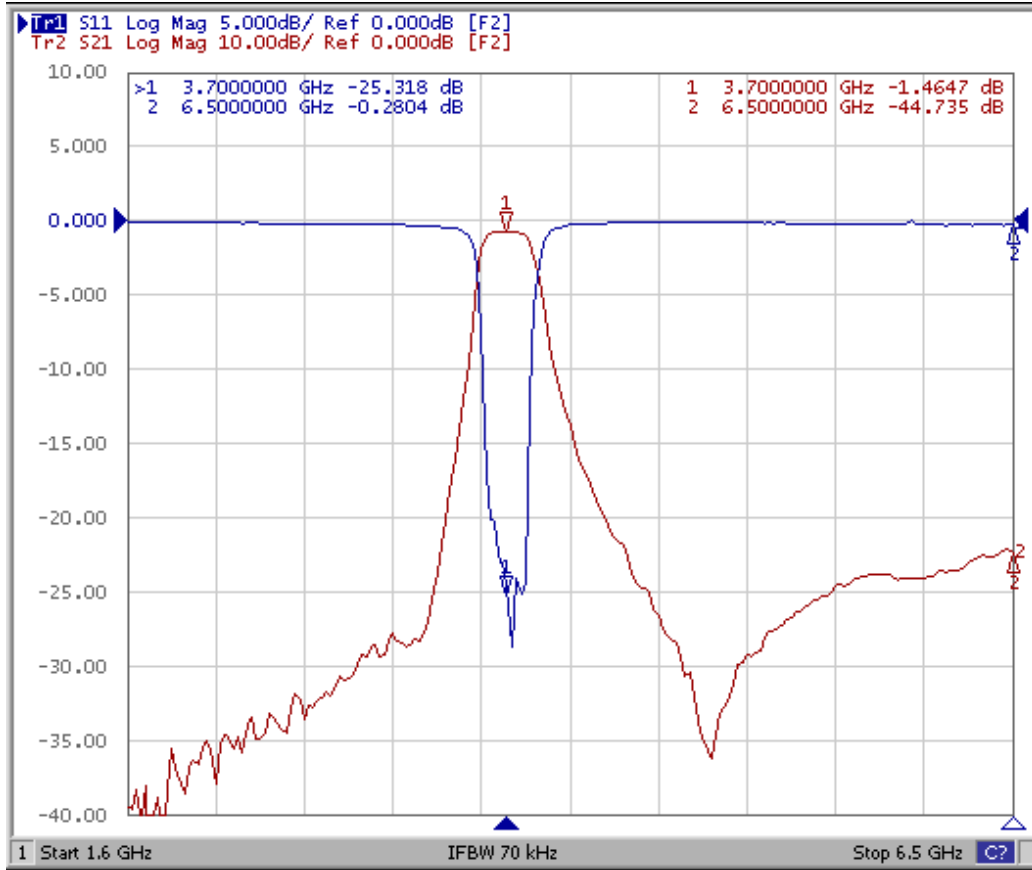
Attenuation (@DC~500MHz & 4500~6000MHz)



BW (@±135MHz)

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Typical Performances



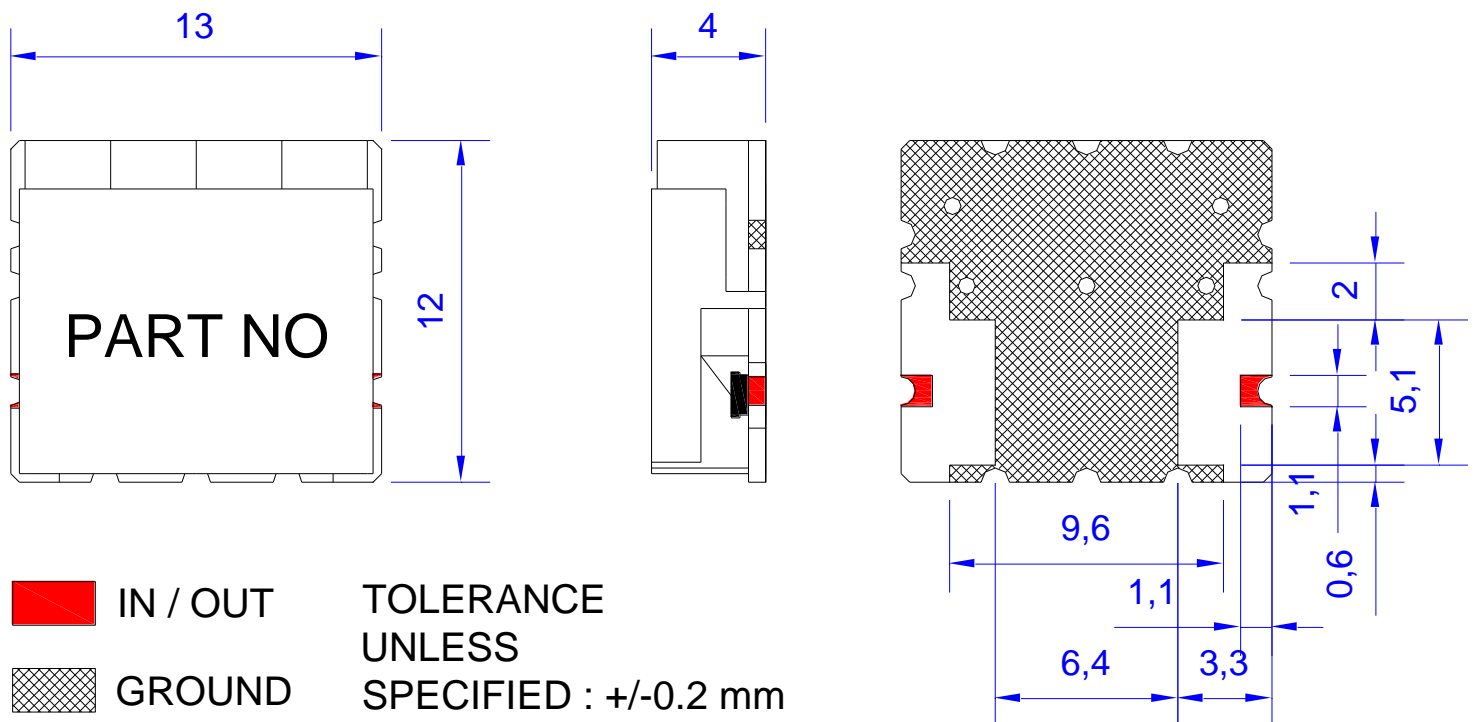
Attenuation (@ ~6.5GHz)

Mechanical Specifications

Parameter	Unit	Specification
Dimension	mm	12 x 13 x 4

Outline drawing

All dimensions in mm



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