

Maximum Rating

1. Input Power Level: +20 dBm
2. Storage Temperature: -40°C to +85°C

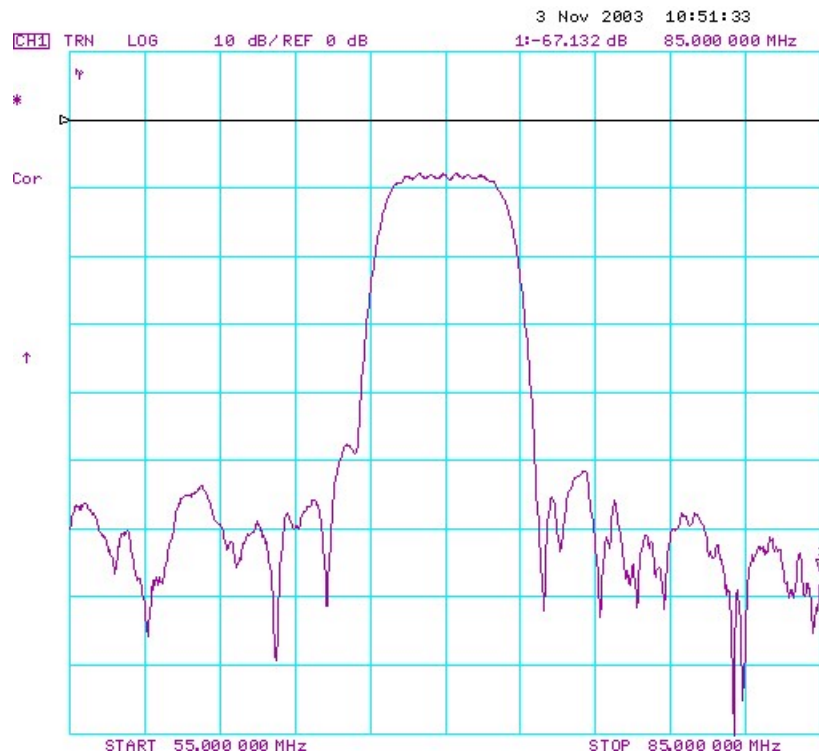
Electrical Characteristics

Reference Temperature Ta = 25°C

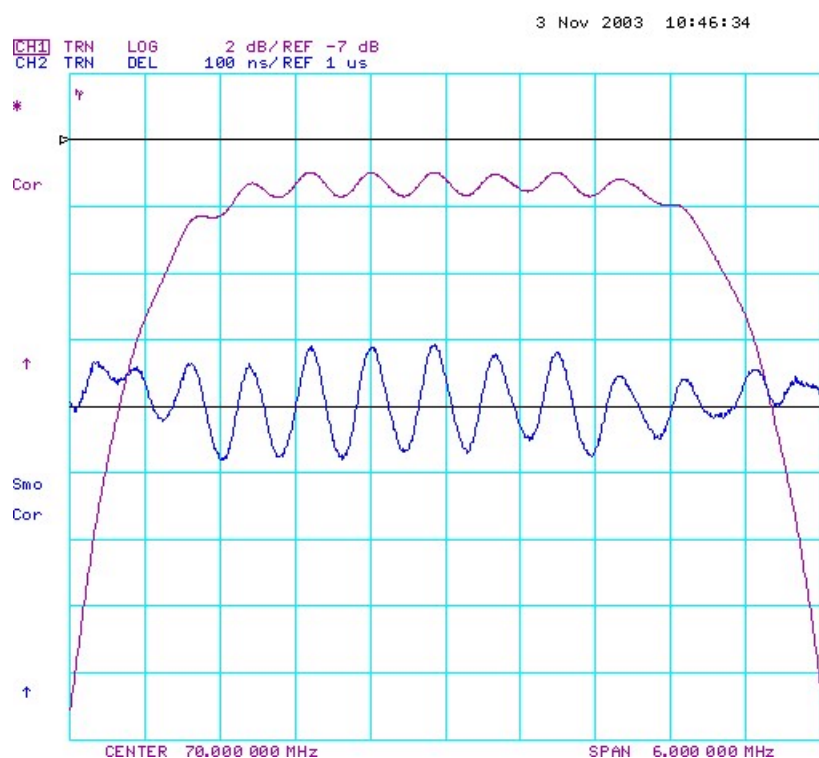
Parameters	Unit	Min.	Typical	Max.
Center frequency, Fc	MHz	69.8	70	70.2
Insertion Loss, IL	dB	-	8.0	9.5
1 dB Bandwidth	MHz	3.4	3.6	-
3 dB Bandwidth	MHz	4.0	4.45	-
40 dB Bandwidth	MHz	-	7.18	8.0
Relative Attenuation:				
10 to 64.5 MHz	dB	40	45	-
74 to 140 MHz	dB	40	43	-
Amplitude ripple within Fc ± 1.5 MHz	dB	-	0.9	1.0
Group Delay ripple within Fc ± 1.5 MHz	nsec	-	190	220
Substrate Material	-	-	YZ-LN	-
Temperature Coefficient of frequency	ppm/ °C	-	-94	-

Frequency Characteristics

(1) Frequency Response



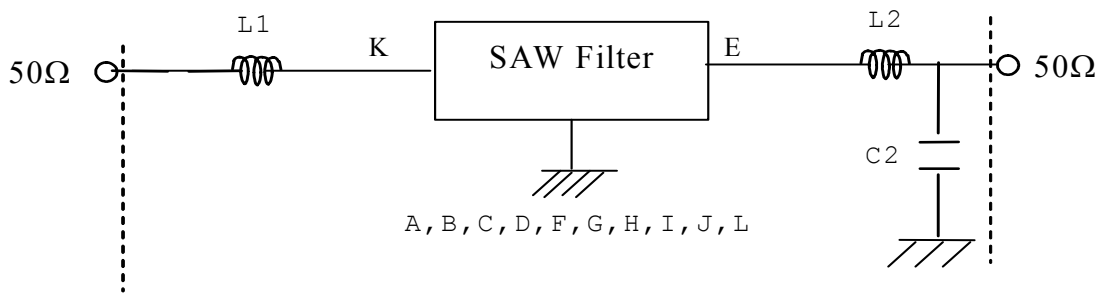
(2) Passband response and Group Delay Variation



Measurement Circuit

Source and load impedance: $50\ \Omega$

Network analyzer

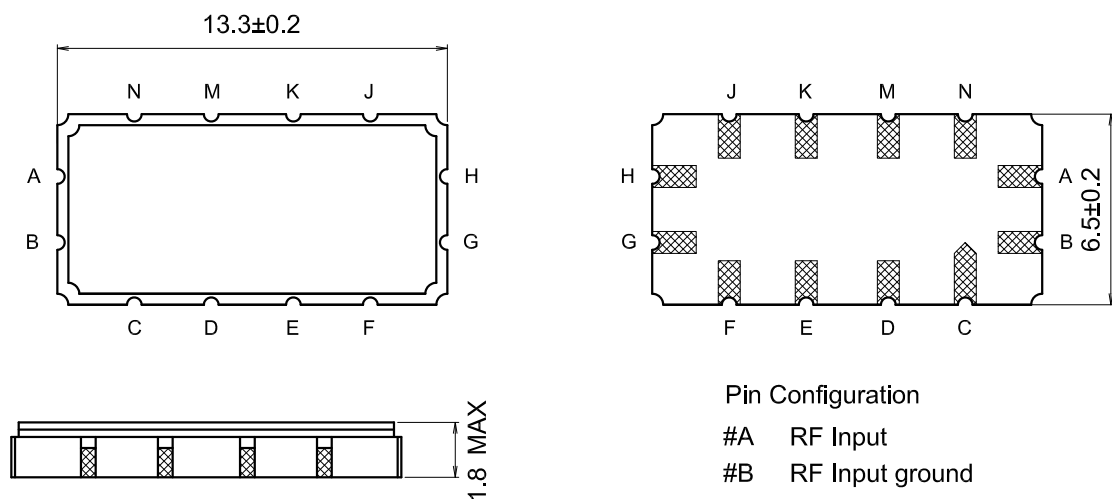


Input: $L1=220\text{ nH}$, $Q>40$

Output: $L2=100\text{ nH}$, $Q>40$; $C2=22\text{ pF}$

Outline Drawing

Laser Marking



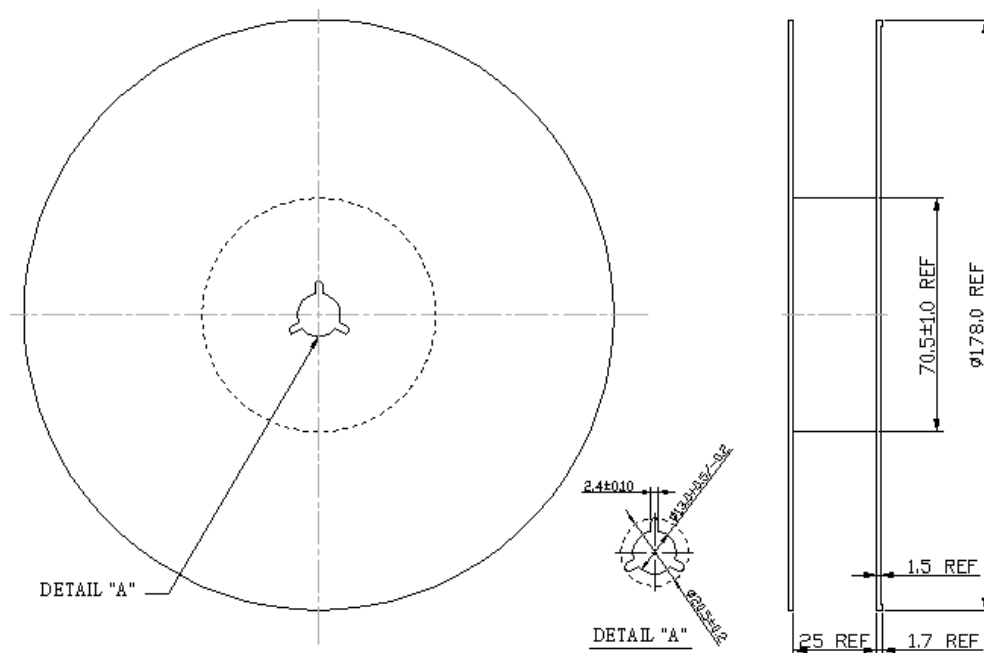
Pin Configuration

- #A RF Input
- #B RF Input ground
- #G RF Output
- #H RF Output ground
- #C, #D, #E, #F, #J, #K, #M, #N To be ground

Unit: mm

Packing

1. Reel Dimension



2. Tape Dimension

