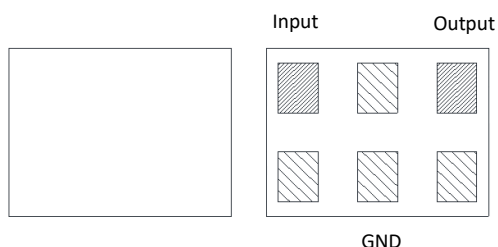


Description

The YCPB0071 is a low temperature co-fired ceramic (LTCC) Band Pass Filter designed for high performance in various applications. The small part size allow for high density PCB layout, provide excellent solderability.

The YCPB0071 is particularly well-suited for wireless transmitters or receivers.



Applications

- ◆ Cellular Infrastructure
- ◆ Narrow & Wideband amplifiers
- ◆ Test Instrumentation

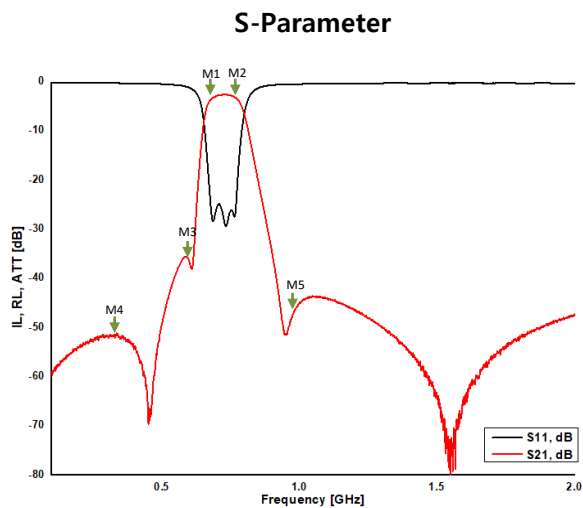
Features

- ◆ 698 - 748MHz
- ◆ Low Insertion Loss
- ◆ High rejection out-of-band
- ◆ Surface Mount Type
- ◆ Miniature Size

Electrical Specification

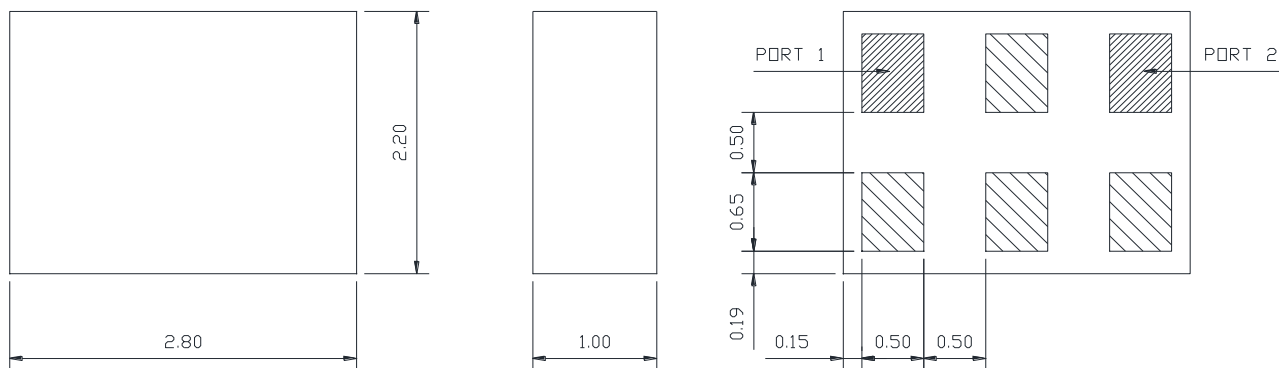
Parameter	Specification			Conditions	Unit
	Min.	Typ.	Max.		
Frequency	698	-	748	-	MHz
Insertion Loss	-	3.0	3.5	@ 698 - 748MHz	dB
Return Loss	15	-	-	@ 698 - 748MHz	dB
Attenuation	40.0	45	-	@ 398MHz	dB
	30.0	35	-	@ 598MHz	dB
	38.0	42	-	@ 948MHz	dB
Power Capacity	-	-	2	CW	W
Operation Temperature Range	-40	-	85	@ 698 - 748MHz	°C

Performance Plot



Marker	Frequency (MHz)	Value (dB)
M1	698	-2.82
M2	748	-2.70
M3	598	-36.22
M4	398	-54.35
M5	948	-51.41

Package Outline Drawing



Terminal Function	
(1)	Input / Output
(2)	Input / Output
-	GND