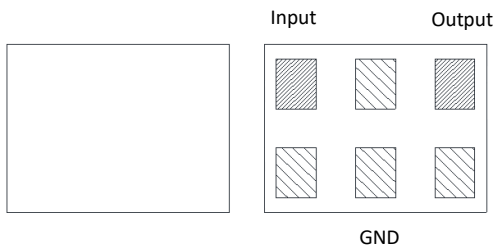


Description

The YCPB0072 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 YCPB0072 is particularly well-suited for wireless transmitters or receivers.



Applications

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

Features

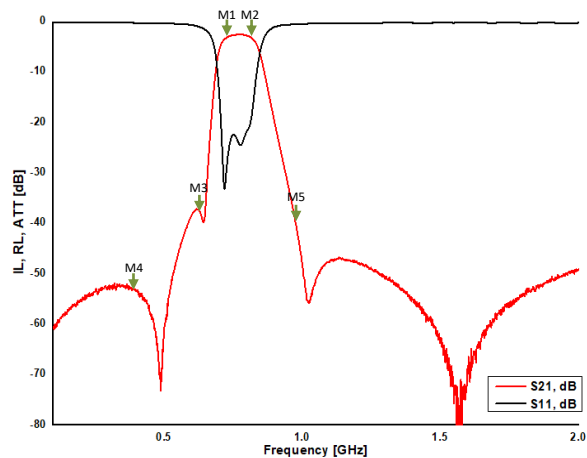
- ◆ 738 - 788MHz
- ◆ Low Insertion Loss
- ◆ High rejection out-of-band
- ◆ Surface Mount Type
- ◆ Miniature Size

Electrical Specification

Parameter	Specification			Conditions	Unit
	Min.	Typ.	Max.		
Frequency	738	-	788	-	MHz
Insertion Loss	-	3.0	3.5	@ 738 - 788MHz	dB
Return Loss	15	-	-	@ 738 - 788MHz	dB
Attenuation	40.0	45	-	@ 438MHz	dB
	30.0	35	-	@ 638MHz	dB
	38.0	42	-	@ 988MHz	dB
Power Capacity	-	-	2	CW	W
Operation Temperature Range	-40	-	85	@ 738 - 788MHz	°C

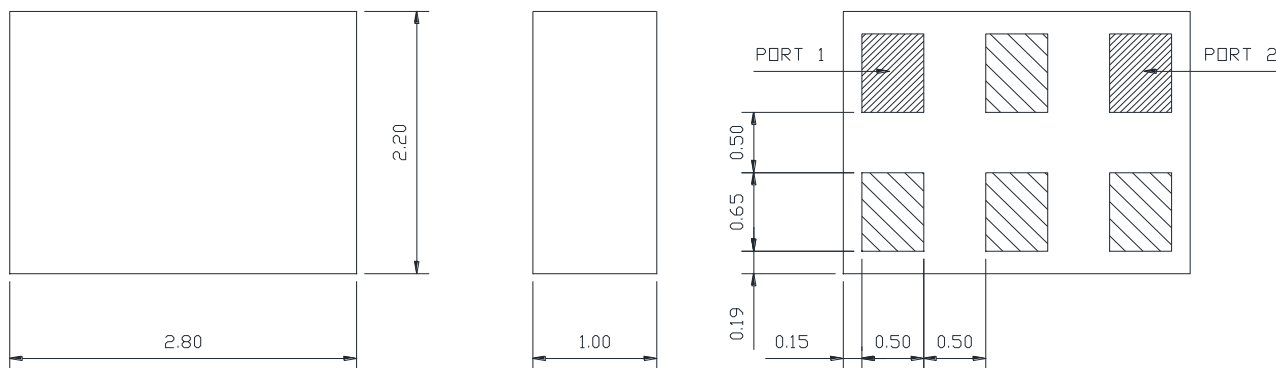
Performance Plot

S-Parameter



Marker	Frequency (MHz)	Value (dB)
M1	738	-2.85
M2	788	-2.60
M3	638	-39.01
M4	438	-55.21
M5	988	-43.65

Package Outline Drawing



Unit : mm

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