

Description

The YCPB068 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.

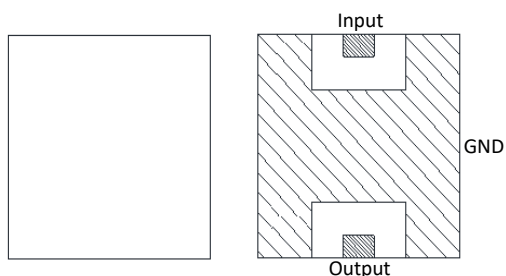
The YCPB068 is particularly well-suited for wireless transmitters or receivers.

Applications

- ◆ Cellular Infrastructure
- ◆ Narrow & Wideband amplifiers
- ◆ Radar / Jammer
- ◆ Test Instrumentation
- ◆ Satellite communication

Features

- ◆ 6525 - 7125MHz
- ◆ Low Insertion Loss
- ◆ High rejection out-of-band
- ◆ Surface Mount Type
- ◆ Miniature Size



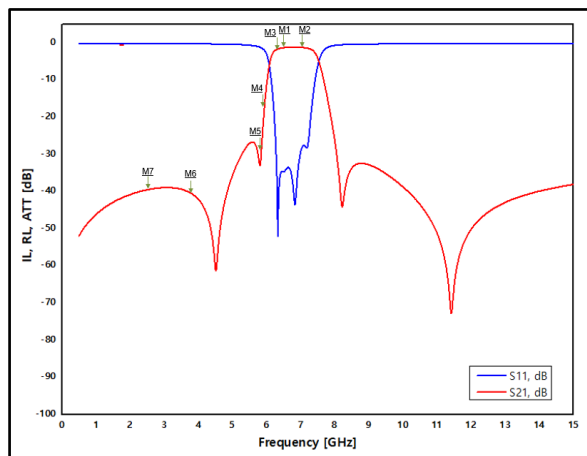
Electrical Specification

Parameter	Specification			Conditions	Unit
	Min.	Typ.	Max.		
Frequency	6525	-	7125	-	MHz
Insertion Loss	-	-	2.0	@ 6525 - 7125MHz	dB
Return Loss	10	-	-	@ 6525 - 7125MHz	dB
Attenuation	25.0	-	-	@ 2400 - 2500MHz	dB
	25.0	-	-	@ 3300 - 3800MHz	dB
Operation Temperature Range	-25	-	85	-	°C

Performance Plots : Simulation Data

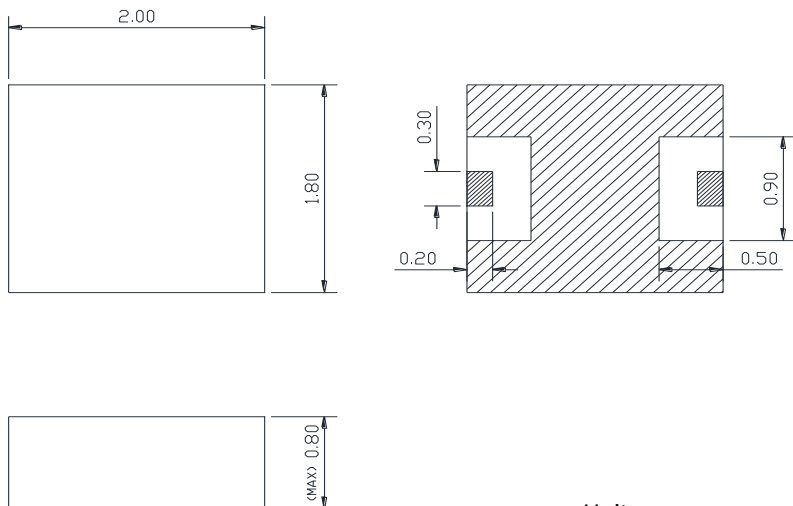
RF Frequency : 6525~7125MHz

S-Parameter



Marker	Frequency [MHz]	Value [dB]	Marker	Frequency [MHz]	Value [dB]
M1	6525	-1.241	M7	2500	-39.390
M2	7125	-1.211			
M3	6425	-1.321			
M4	5925	-18.919			
M5	5850	-29.037			
M6	3800	-40.417			

Package Outline Drawing



Unit : mm