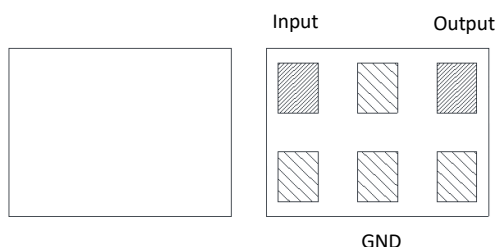


Description

The YCPB0081 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 YCPB0081 is particularly well-suited for wireless transmitters or receivers.



Applications

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

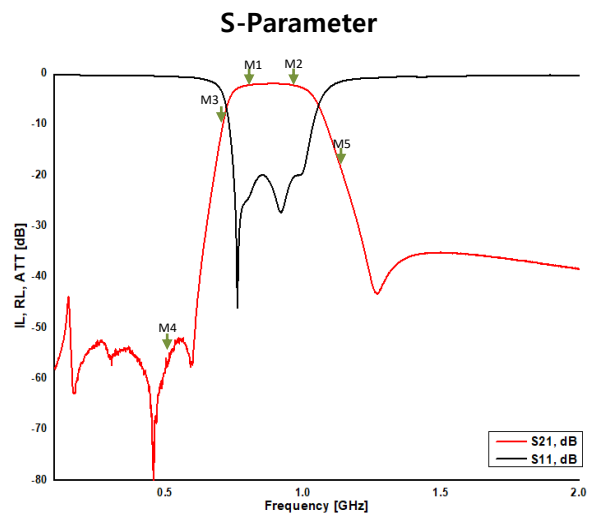
Features

- ◆ 809 - 954MHz
- ◆ Low Insertion Loss
- ◆ High rejection out-of-band
- ◆ Surface Mount Type
- ◆ Miniature Size

Electrical Specification

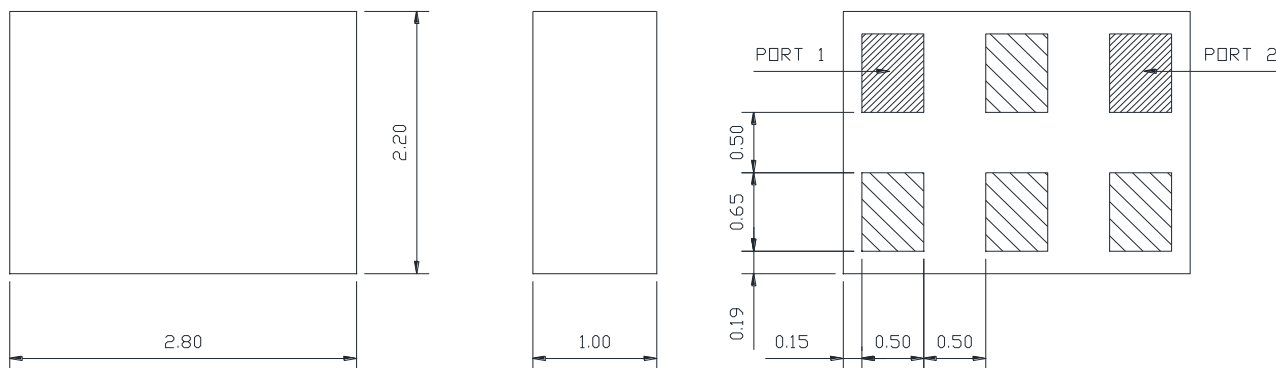
Parameter	Specification			Conditions	Unit
	Min.	Typ.	Max.		
Frequency	809	-	954	-	MHz
Insertion Loss	-	2.5	3.0	@ 809 - 954MHz	dB
Return Loss	15	-	-	@ 809 - 954MHz	dB
Attenuation	40	45	-	@ 509MHz	dB
	7	10	-	@ 709MHz	dB
	17.0	20	-	@ 1154MHz	dB
Power Capacity	-	-	2	CW	W
Operation Temperature Range	-40	-	85	@ 809 - 954MHz	°C

Performance Plot



Marker	Frequency [MHz]	Value [dB]
M1	809	-2.11
M2	954	-2.13
M3	709	-10.04
M4	509	-56.68
M5	1154	-21.48

Package Outline Drawing



Unit : mm

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