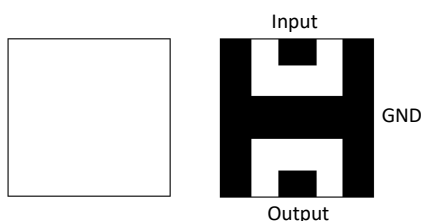


Description

The YCPB0381 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 YCPB0381 is particularly well-suited for wireless transmitters or receivers.



Applications

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

Features

- ◆ 3700 - 3900MHz
- ◆ Low Insertion Loss
- ◆ High rejection out-of-band
- ◆ Surface Mount Type
- ◆ Miniature Size

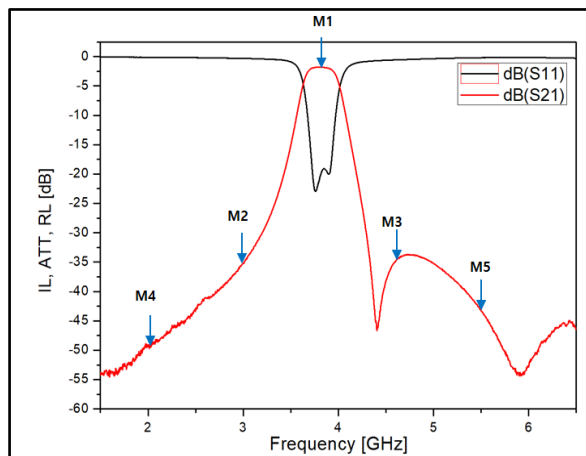
Electrical Specification

Parameter	Specification			Conditions	Unit
	Min.	Typ.	Max.		
Frequency	3700	-	3900	-	MHz
Ripple	-	-	0.8	@ 3700 - 3900MHz	dB
Insertion Loss	-	-	3.2	@ 3700 - 3900MHz	dB
Return Loss	10	-	-	@ 3700 - 3900MHz	dB
Attenuation	33.0	-	-	@ DC - 2100MHz	dB
	25.0	-	-	@ 2100 - 3100MHz	dB
	27.0	-	-	@ 4600 - 5500MHz	dB
Power Capacity	-	-	1.0	-	W

Performance Plots

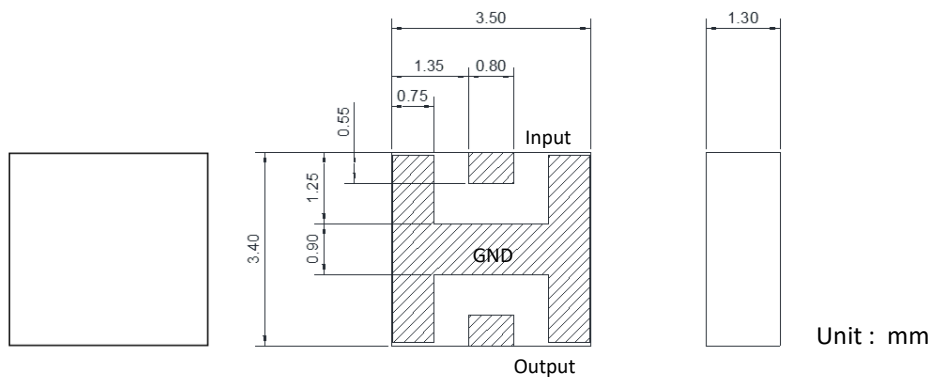
RF Frequency: 3700~3900MHz

S-Parameter



Marker	Frequency [MHz]	Value [dB]
M1	3800	-1.92
M2	3100	-32.3
M3	4600	-34.6
M4	2100	-47.8
M5	5500	-43.6

Package Outline Drawing



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