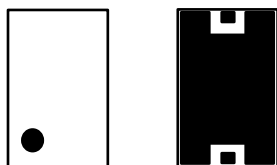


Description

The YCPB060 is a low temperature co-fired ceramic (LTCC) band pass filter designed for high performance in various applications. The small part size allows for high density PCB layout and provide excellent solderability.



Applications

- ◆ 5G/6G applications
- ◆ Narrow & Wideband amplifiers
- ◆ Factory and Process automation
- ◆ Test Instrumentation
- ◆ Satellite communication

Features

- ◆ 5800 – 7200GHz
- ◆ Low Insertion Loss
- ◆ High out-of-band rejection
- ◆ Surface Mount Type

Electrical Specification

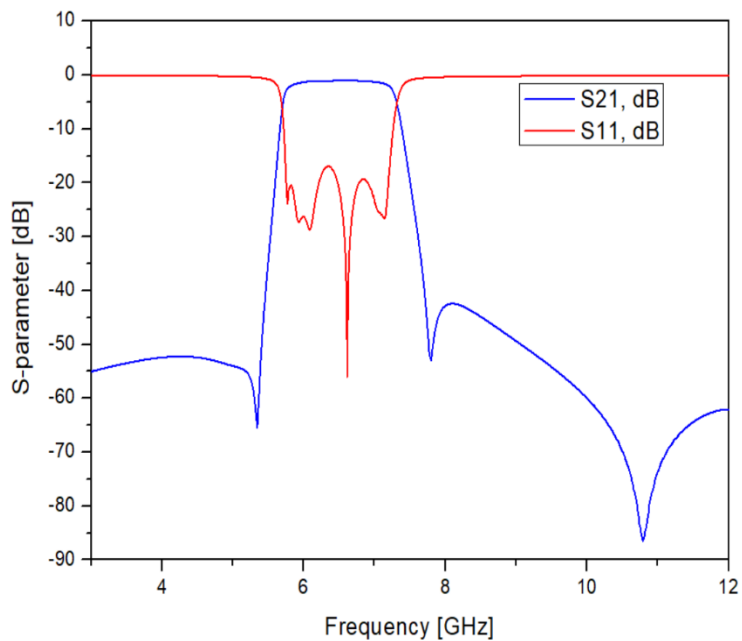
Parameter ¹⁾	Specification			Conditions	Unit
	Min.	Typ.	Max.		
Frequency	5800	-	7200	-	MHz
Insertion Loss	-	-	2.5	-	dB
Return Loss	13	-	-	-	dB
Attenuation	50	-	-	@ DC – 5.18GHz	dB
	20	-	-	@ 5.18 – 5.53GHz	
	20	-	-	@ 7.56 – 7.82GHz	
	40	-	-	@ 7.82 – 12GHz	
Power Capacity	-	2	-	-	W
Operation Temperature Range	-55	-	+125	-	°C

Notes:

1) Ta = 25°C, 50Ω system, unless otherwise noted.

Performance Plots

Insertion Loss, Attenuation & Return Loss



Frequency [GHz]	Value [dB]
5.18	-54.9
5.53	-29.1
5.8	-1.93
6.425	-1.34
6.5	-1.3
7.125	-1.62
7.2	-1.95
7.56	-25.7
7.82	-50.4

Recommended Operating Condition

Parameter	Min	Typ	Max	Units
Operating Temperature	-55	25	125	°C
Storage Temperature	-20		35	°C

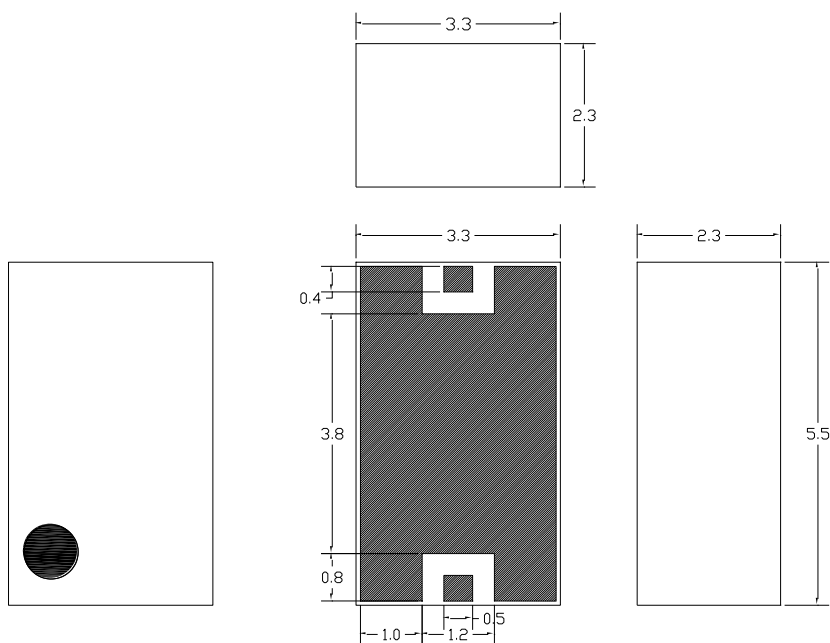
Notes:

1) Storage Temperature Range before soldering in taping package.

Absolute Maximum Ratings

Parameter	Rating	Units
Input Power (AVG/CW)	2	W

Package Outline Drawing



Unit : mm
Tolerance : +/- 0.15