

Description

The YCPB063 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.

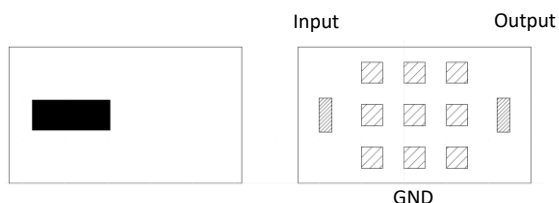
The YCPB063 is particularly well-suited for wireless transmitters or receivers.

Applications

- ◆ Wi-Fi 6E
- ◆ Narrow & Wideband amplifiers
- ◆ Radar / Jammer
- ◆ Test Instrumentation
- ◆ Satellite communication

Features

- ◆ 5700 - 6900MHz
- ◆ Low Insertion Loss
- ◆ High rejection out-of-band
- ◆ Surface Mount Type
- ◆ Miniature Size



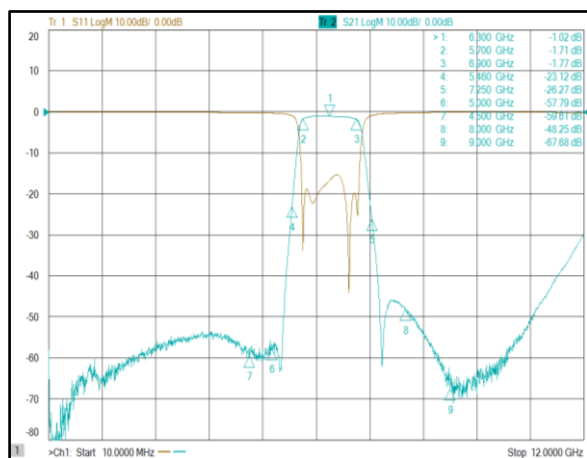
Electrical Specification

Parameter	Specification			Conditions	Unit
	Min.	Typ.	Max.		
Frequency	5700	-	6900	-	MHz
Insertion Loss	-	-	2.7	@ 5700 - 6900MHz	dB
Return Loss	15	-	-	@ 5700 - 6900MHz	dB
Attenuation	50.0	-	-	@DC - 4500MHz	dB
	40.0	-	-	@ 4500 - 5000MHz	dB
	15.0	-	-	@ 5000 - 5460MHz	dB
	15.0	-	-	@ 7250 - 8000MHz	dB
	40.0	-	-	@ 8000 - 9000MHz	dB
Power Capacity	-	-	1.0	-	W

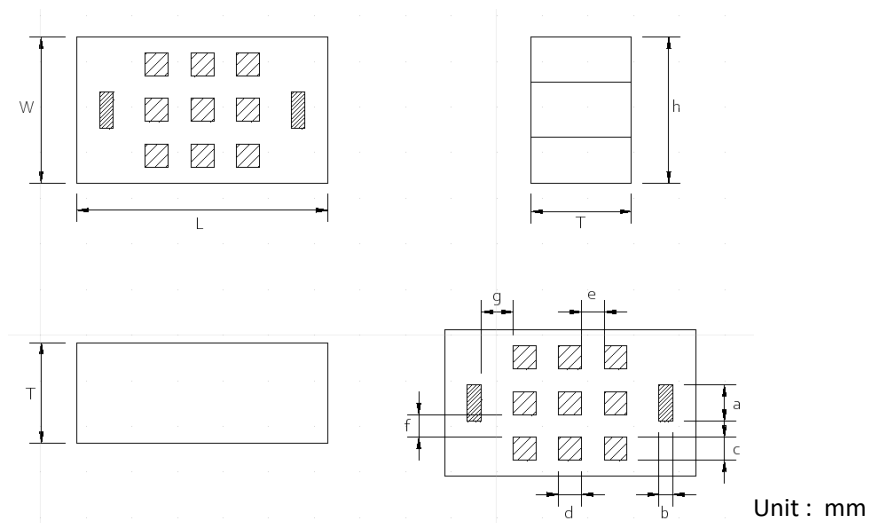
Performance Plots : Simulation Data

RF Frequency : 5700~6900MHz

S-Parameter



Package Outline Drawing



Mark	Dimension	Mark	Dimension
L	5.5 ± 0.2	d	0.5 ± 0.2
W	3.2 ± 0.2	e	0.5 ± 0.2
T	2.2 max.	f	0.5 ± 0.2
a	0.8 ± 0.2	g	0.7 ± 0.2
b	0.3 ± 0.2	h	1.2 ± 0.2
c	0.5 ± 0.2		