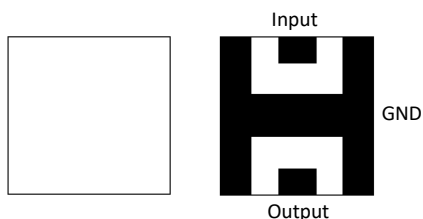


Description

The YCPB038 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 YCPB038 is particularly well-suited for wireless transmitters or receivers.



Applications

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

Features

- ◆ 3400 - 4300MHz
- ◆ Low Insertion Loss
- ◆ High rejection out-of-band
- ◆ Surface Mount Type
- ◆ Miniature Size

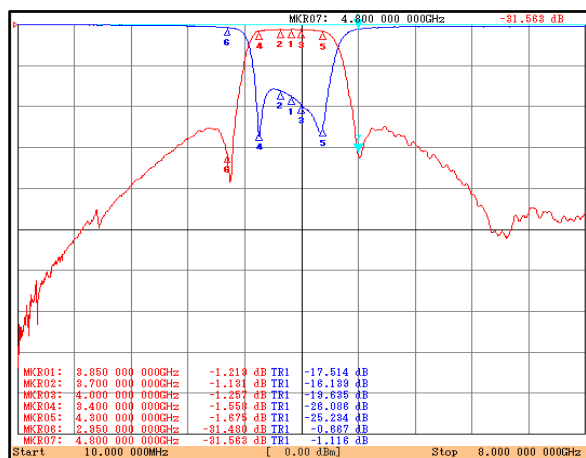
Electrical Specification

Parameter	Specification			Conditions	Unit
	Min.	Typ.	Max.		
Frequency	3400	-	4300	-	MHz
Ripple	-	-	1.0	@ 3400 - 4300MHz	dB
Insertion Loss	-	-	2.7	@ 3400 - 4300MHz	dB
Return Loss	13	-	-	@ 3400 - 4300MHz	dB
Attenuation	20.0	-	-	@ 0 - 2950MHz	dB
	20.0	-	-	@ 4800 - 8000MHz	dB
Power Capacity	-	-	1.0	-	W
Operation Temperature Range	-40	-	95	-	°C

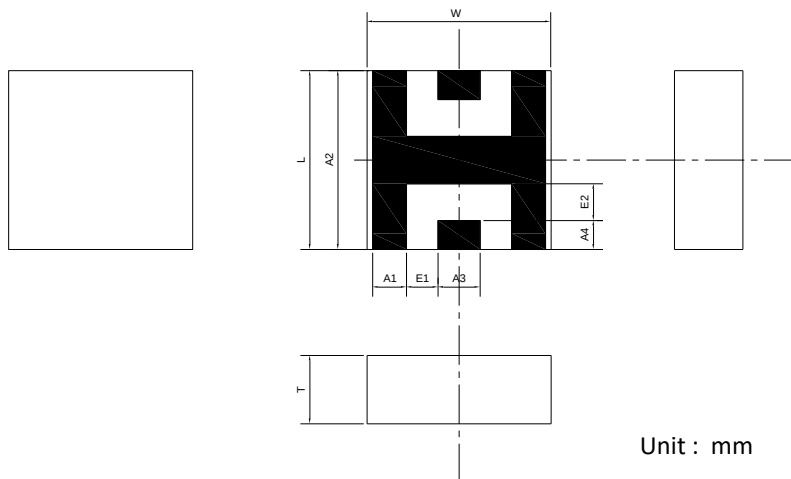
Performance Plots : Measured Data

RF Frequency : 3400~4300MHz

S-Parameter



Package Outline Drawing



Mark	Dimension	Mark	Dimension
L	3.40 ± 0.15	A3	1.00 ± 0.10
W	3.50 ± 0.15	A4	0.55 ± 0.10
T	1.65max	E1	0.60 ± 0.10
A1	0.63 ± 0.10	E2	0.70 ± 0.10
A2	3.40 ± 0.15		

Land Pattern

