

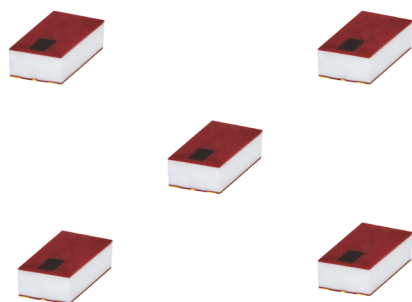


DESIGNER'S KIT K1-LFCN-MMW+

Millimeter-Wave Low Pass Filters



50Ω DC to 30.5 GHz



FEATURES

- LTCC Low Pass Filters at mm-wave frequency
- Perfectly suited for WiFi, Bluetooth, Zigbee Applications
- Small size, 1206
- Rugged LTCC construction
- Excellent power handling, up to 1 Watt
- Good Rejection, 35-40 dB typ.
- Low cost

MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION



K1-LFCN-MMW+ ELECTRICAL SPECIFICATIONS

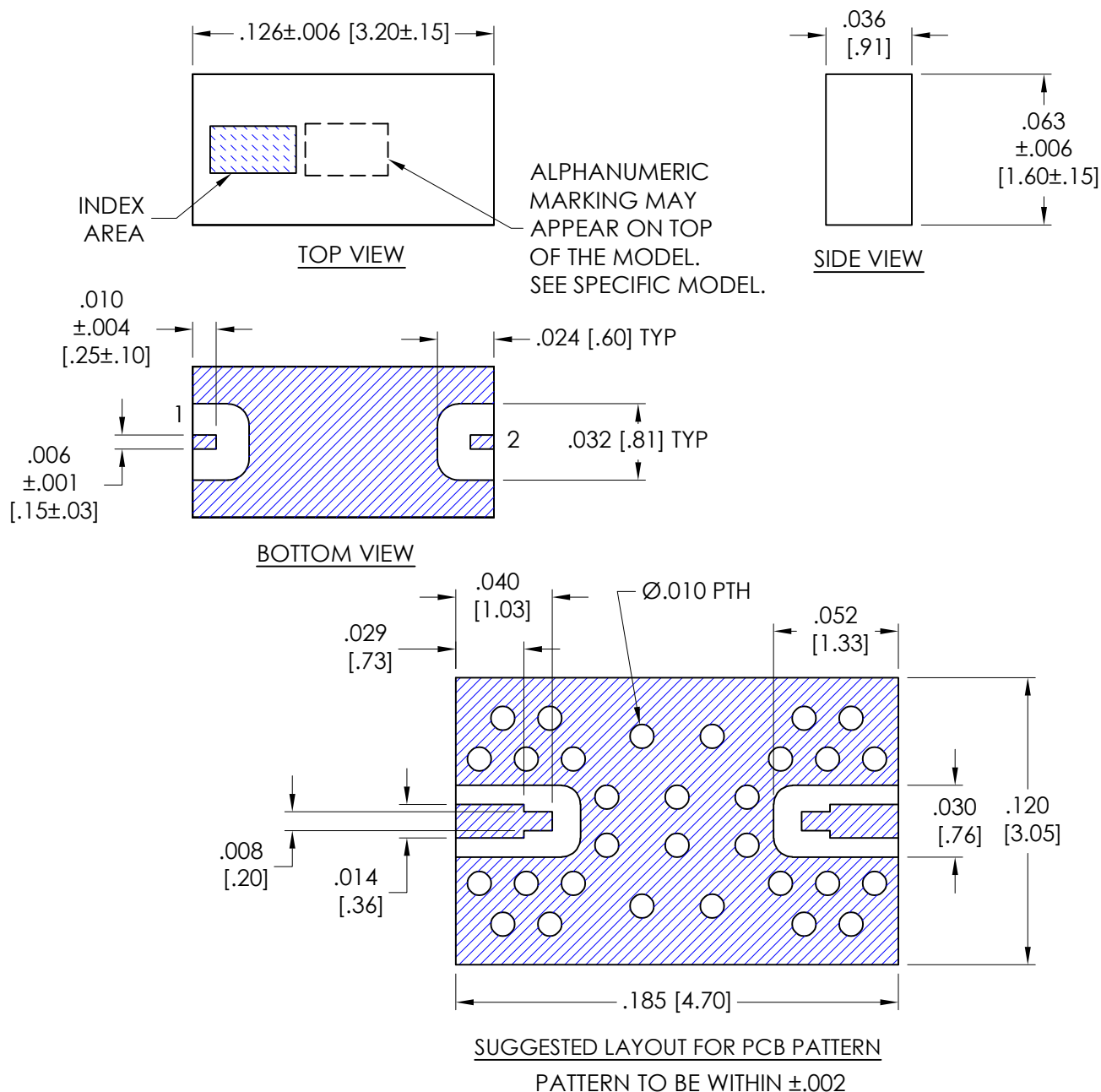
(kit includes 5 models, 10 of each, 50 total)

Model	Passband (MHz)		Stopband 1		Additional Stopbands		Case Style
	(MHz)	Ins. Loss Typ. (dB)	(MHz)	Rejection Typ. (dB)	(MHz)	Rejection Typ. (dB)	
LFCN-2352+	DC-13000	0.6	28500-30000	29	30000-39000	33	FV1206-11
	13000-22000	1.1			39000-40000	35	
	22000-23500	1.4					
LFCN-2752+	DC-17000	0.6	34500-39000	30	39000-45000	40	FV1206-11
	17000-25500	1			45000-46000	42	
	25500-27500	1.5					
LFCN-2852+	DC-18000	0.6	35500-40000	27	40000-47000	35	FV1206-11
	18000-27000	1.9					
	27000-28500	2.1					
LFCN-2952+	DC-18000	0.7	36000-39000	30	39000-41000	33	FV1206-11
	18000-28000	1.4			41000-48000	42	
	28000-29500	1.4					
LFCN-3052+	DC-19000	0.7	36500-41000	26	41000-47500	40	FV1206-11
	19000-29000	1.2			47500-50000	38	
	29000-30500	2.6					



Outline Dimensions

FV1206-11



Weight: .017 grams.

Dimensions are in inches [mm]. Tolerances: 2 Pl.±.01; 3 Pl. ±.005 Inches

Notes:

1. Case material: Ceramic.
2. Termination Finish: **as shown below or indicated on Data Sheet.**
For RoHS Case Styles: Gold plate over Nickel plate. All models, (+) suffix.



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

RF/IF MICROWAVE COMPONENTS

All Mini-Circuits products are manufactured under exacting quality assurance and control standards, and are capable of meeting published specifications after being subjected to any or all of the following physical and environmental test.

Specification	Test/Inspection Condition	Reference/Spec
Operating Temperature	-55° to 125° C Ambient Environment	Individual Model Data Sheet
Storage Temperature	-55° to 125° C Ambient Environment	Individual Model Data Sheet
Thermal Cycling	-55 to 125°C, 100 cycles, Dwell Time 15 minutes.	MIL-STD-202, Method 107, Condition A-3
Mechanical Shock	50g, 11ms half-sine, 18 shocks applied each to 3 axes	MIL-STD-202 Method 213, Condition A
Vibration	10-2000Hz sine, 20g, 12 cycles applied each to 3 axes	MIL-STD-202, Method 204, Condition D
Constant Acceleration	30Kg, Y1 Direction	MIL-STD-883, Method 2001, Condition E
Humidity	85°C, 90-95% Relative Humidity, 250hours	
Solderability	10X / 30X Magnification	J-STD-002C Test S, J-STD-002C Test S1
High Temp Storage	125°C, 250 hours	