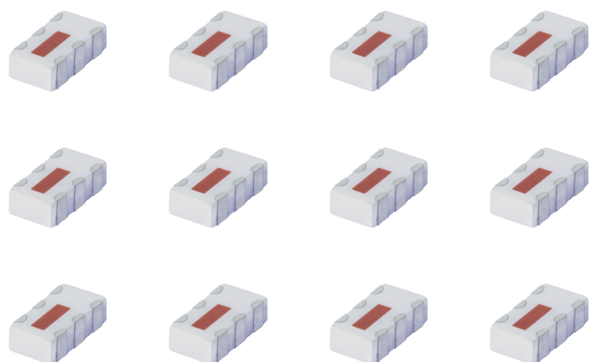




DESIGNER'S KIT K2-HFCN+

High Pass Filters

50Ω 950 to 13000 MHz



FEATURES

- Wideband, 50Ω
- LTCC Low Temperature Co-fired Ceramic
- Small size (L) 0.12" x (W) 0.06"
- Temperature stable
- Repeatable performance
- Excellent power handling
- Hermetically sealed
- Low cost

MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION



K2-HFCN+ ELECTRICAL SPECIFICATIONS

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

Model	Stopband (MHz) Min.		fco, (MHz) Nom.	Passband (MHz)		VSWR Typ.		Power Input* (W) Max.	No. of Sections	Case Style
	(loss > 40dB)	(loss >20dB)		(loss <1.3dB) Max.	(loss <2dB) Typ.	Stopband	Freq.(MHz) 1.5:1			
HFCN-880+	500	640	880	1060-2500	950-3200	20:1	970-2400	7	7	FV1206
HFCN-1300+	680	930	1300	1510-4000	1400-5000	20:1	1400-4000	7	7	FV1206
HFCN-1320+	910	1060	1320	1700-3800	1400-5000	20:1	1700-3700	7	7	FV1206
HFCN-1600+	1090	1290	1600	1950-4000	1650-5000	20:1	1700-4000	7	7	FV1206
HFCN-1810+	1100	1480	1810	2250-3850	1950-4750	20:1	2250-3750	7	7	FV1206
HFCN-1910+	1075	1400	1910	2200-4400	2000-5200	20:1	2100-4500	7	7	FV1206
HFCN-2100+	1050	1530	2100	2500-5000	2200-6000	20:1	2400-5200	7	7	FV1206
Loss 30dB Typ										
Loss <1.5dB Max. Loss <2dB Max.										
HFCN-3800+	3100	3200	3800	4500-9000	4250-10000	20:1	3950-10000	7	5	FV1206-1
HFCN-5500+	4000	4500	5500	6600-11000	6000-11500	20:1	5600-11000	7	5	FV1206-1
Loss <2.5dB Max. Loss <3dB Max.										
HFCN-8400+	5700	6000	8400	9500-13000	9000-13000	20:1	9000-13000	7	5	FV1206-1

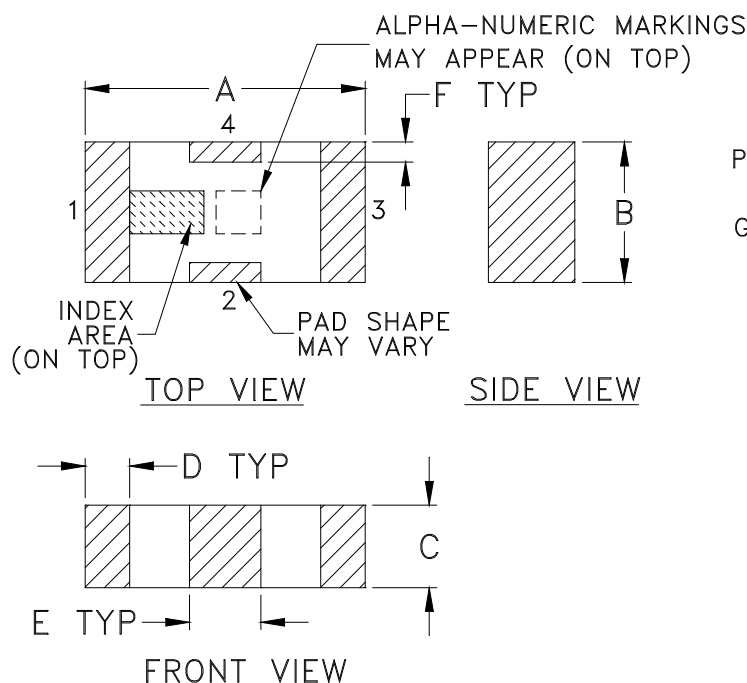
* Passband rating, derate linearly to 3W at 100°C ambient



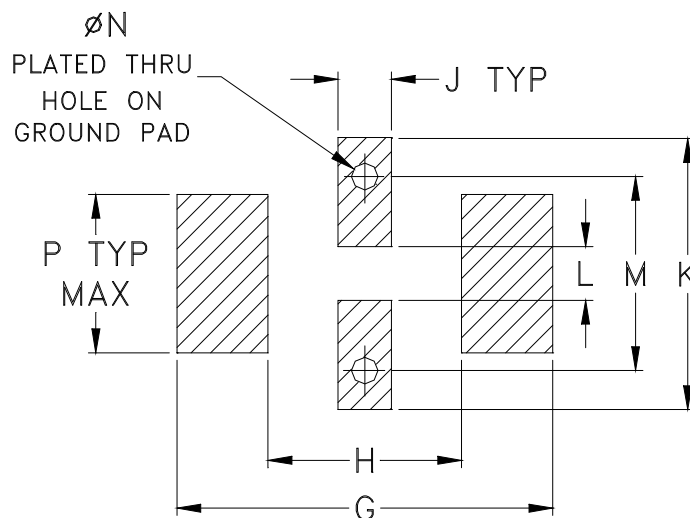
minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

REV. A
ECO-007355
K2-HFCN+
MCL NY
210323

Outline Dimensions



PCB Land Pattern



Suggested Layout,
Tolerance to be within $\pm .002$

CASE #	A	B	C	D	E	F	G	H	J	K	L	M	N	P	WT. GRAM
FV1206	.126 (3.20)	.063 (1.60)	.037 (0.94)	.020 (0.51)	.032 (0.81)	.009 (0.23)	.169 (4.29)	.087 (2.21)	.024 (0.61)	.122 (3.10)	.024 (0.61)	.087 (2.21)	.012 (0.30)	.071 (1.80)	.020

Dimensions are in inches (mm). Tolerances: 2 Pl. $\pm .01$; 3 Pl. $\pm .005$

Notes:

- Open style, ceramic base.
- Termination finish: **as shown below or indicated on Data Sheet.**
For RoHS Case Styles: Tin plate over Nickel plate. All models, (+) suffix.
For RoHS-5 Case Styles: Tin-Lead plate. All models, no (+) 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

Tape & Reel Packaging TR-F71

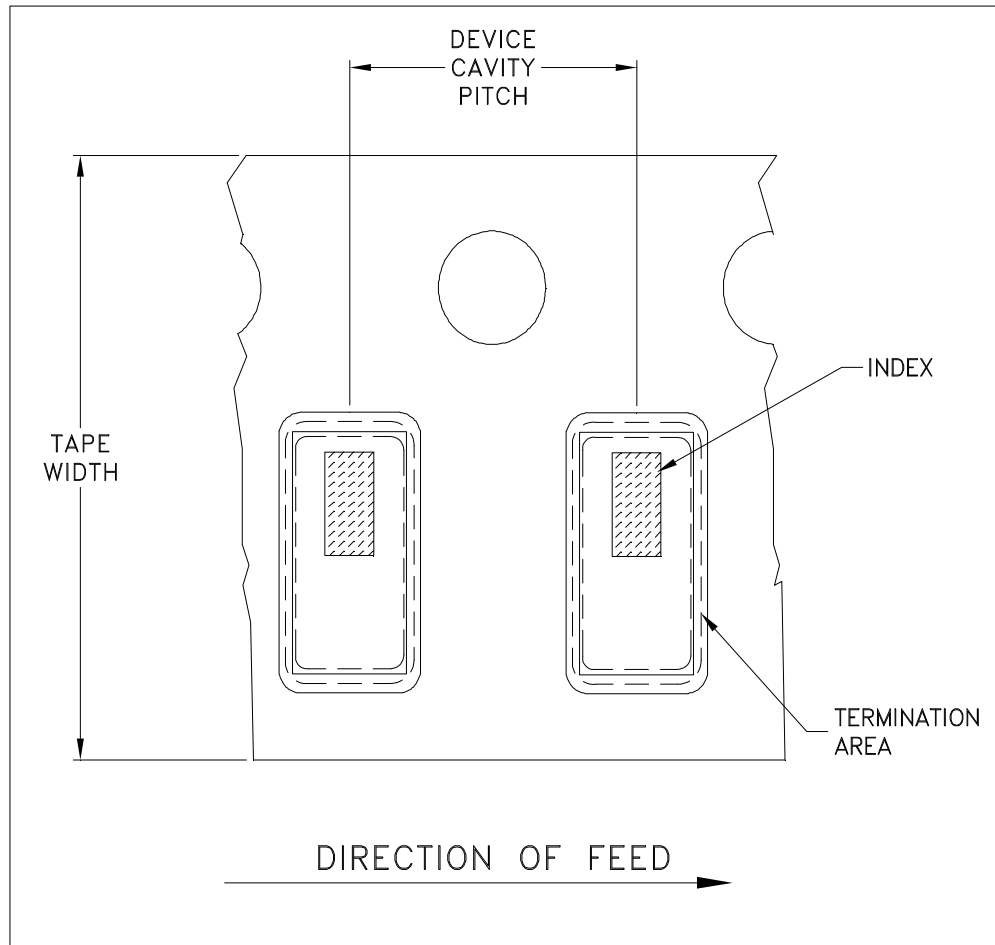


ILLUSTRATION 1

Tape Width, mm	Device Cavity Pitch, mm	Reel Size, inches	Devices per Reel	
8	4	7	Small quantity standards (see note)	20
				50
				100
				200
				500
				1000
			Standard	3000

Note: Please Consult individual model data sheet to determine device per reel availability.

Mini-Circuits carrier tape materials provide protection from ESD (Electro-Static Discharge) during handling and transportation. Tapes are static dissipative and comply with industry standards EIA-481/EIA-541.

Go to: www.minicircuits.com/pages/pdfs/tape.pdf



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