

Ceramic High Pass Filter

50Ω 2650 to 6500 MHz

HFCN-2700TR5K+

This is HFCN-2700+
Reel Qty. 5000 pcs.



Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	7W max. at 25°C

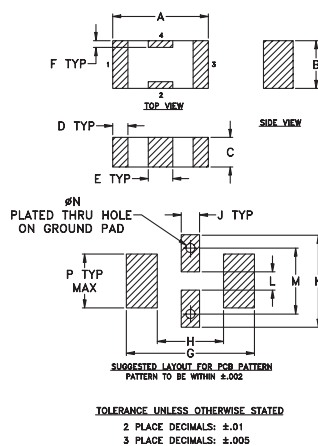
* Passband rating, derate linearly to 3W at 100°C ambient.

Pin Connections

RF IN	1**
RF OUT	3**
GROUND	2,4

** RF IN & RF OUT can be interchanged

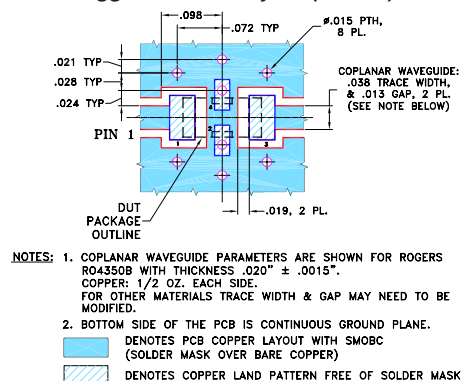
Outline Drawing



Outline Dimensions (inch)

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

Demo Board MCL P/N: TB-270 Suggested PCB Layout (PL-137)



Features

- low cost
- small size
- 7 sections
- temperature stable
- excellent power handling, 7W
- hermetically sealed

Applications

- sub-harmonic rejection
- transmitters/receivers
- lab use

CASE STYLE: FV1206
Price: Contact Sales Dept.

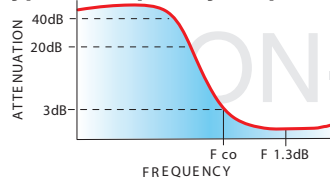
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

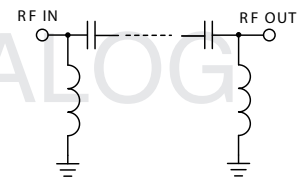
Electrical Specifications (T_{AMB}=25°C)

STOP BAND (MHz) Min.	f _{co} , MHz Nom.	PASSBAND (MHz)	VSWR (:1) Typ.	POWER INPUT (W)	NO. OF SECTIONS
(loss > 40 dB) (loss > 20 dB)	(loss 3 dB) Typ.	(loss < 1.3 dB) (loss < 2 dB) Max. Typ.	Frequency (MHz) Stopband 1.5:1		
1500 1800	2500	3000-5700 2650-6500	20:1 2900-5500	7	7

typical frequency response

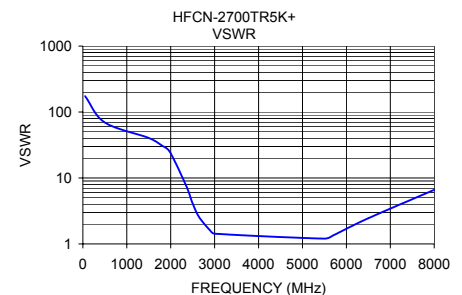
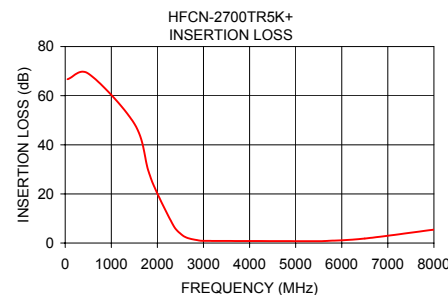


electrical schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50.00	66.69	173.72
500.00	69.03	69.49
1500.00	48.61	40.41
1800.00	29.62	31.03
1980.00	20.93	24.83
2350.00	7.06	7.70
2500.00	3.85	4.11
2650.00	2.11	2.53
2900.00	1.04	1.59
3000.00	0.9	1.43
5500.00	0.75	1.20
5700.00	0.89	1.35
6500.00	1.85	2.45
8100.00	5.71	7.05



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IF/RF MICROWAVE COMPONENTS

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