

LTCC 高通滤波器 (High Pass Filter)

HT-HFCN-6010+

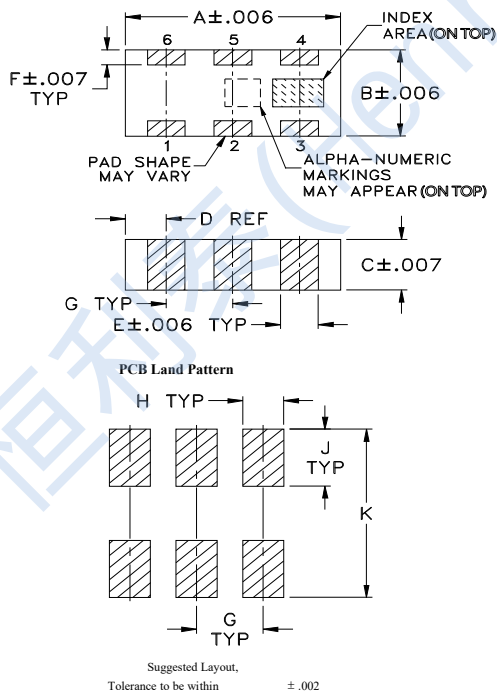
Features

Low cost
Small size
7 sections
Temperature stable
LTCC construction
Excellent power handling, 7W
Hermetically sealed

Applications

Sub-harmonic rejection
Transmitters/receivers
Lab use

Outline Drawing

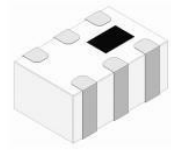


Outline Dimensions

A	B	C	D	E	F
.126	.063	.035	.024	.022	.011
3.20	1.60	0.89	0.61	0.56	0.28

G	H	J	K	wt
.039	.024	.042	.123	grams
0.99	0.61	1.07	3.12	.020

Functional Schematic



50 Ω
6300MHz to 15000MHz

Electrical Specifications(1,2) at 25°C

STOPBAND (MHz)	fco, MHz Nom.	PASSBAND (MHz)	VSWR Typ. Frequency (MHz)	POWER INPUT (W)	NO. OF SECTIONS
(Loss > 30dB) (Loss > 20dB)	(Loss 3 dB)	(Loss < 3dB) (Loss < 5dB)	Stopband 1.5:1	Max.	
Typ. Min.	Typ.	Max. Max.	6050-8000		
5190 5200	6010	6350-13000 6300-15000	20:1	7	5

Pad Connections

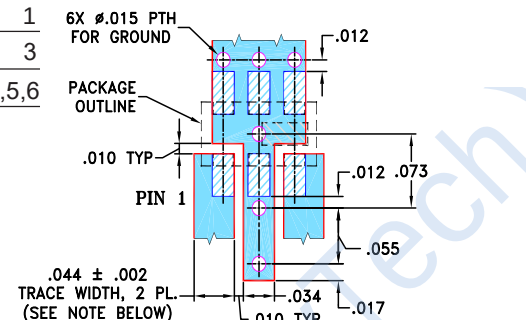
RF IN	1
RF OUT	3
GROUND	2,4,5,6

Maximum Ratings

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

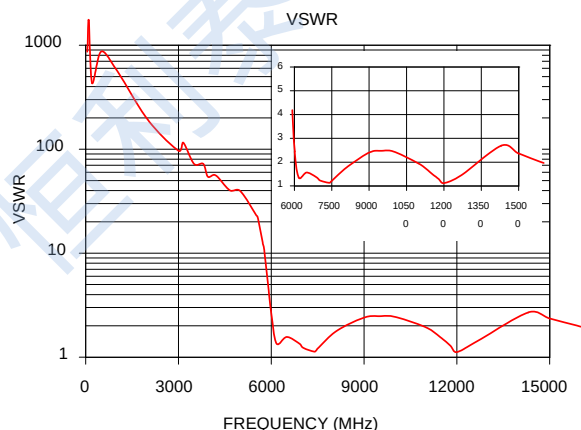
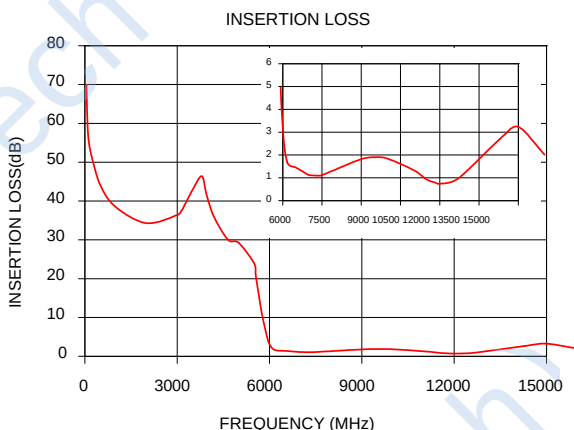
*Permanent damage may occur if any of these limits are exceeded.

Suggested PCB Layout



■ DENOTES PCB COPPER LAYOUT
■ DENOTES COPPER LAND PATTERN FREE OF SOLDERMASK

Typical Performance Data at 25°C



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