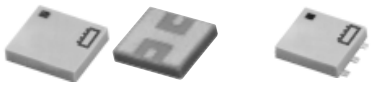
CERAMIC HIGH PASS 1300 to 3500 MHz

BLUE CELL™



HFTC HFTC-L

NEW!

all specifications at 25°C

◆ MODEL NO.	STOP BAND (MHz) (loss >40dB)	(loss >20dB)	fco (MHz) Nom. (loss 3 dB) Typ.	PASSBAND (MHz) (loss < 1.3 dB)	VSWR (:1) Stopband Typ.	Passband Typ.	POWER INPUT* (W)	THERMAL RESIS-TANCE °C/W	CASE STYLE Note B	CONNECTION	PRICE $ Qty. (10-49)
HFTC-9R5	DC-600	750	950	1300-3500	18	1.3	14	25	FR933	nw	3.75
HFTC-9R5L	DC-600	750	950	1300-3500 (loss < 1.4 dB)	18	1.3	14	25	FR932	nw	4.00
HFTC-16	DC-1030	1300	1580	1900-2700	18	1.3	14	25	FR933	nw	3.75
HFTC-16L	DC-1030	1300	1580	1900-2700	18	1.3	14	25	FR932	nw	4.00

*Derate linearly to 6W at 100°C ambient

see suggested PCB layout (PL-112) for HFTC & HFTC-L models

features

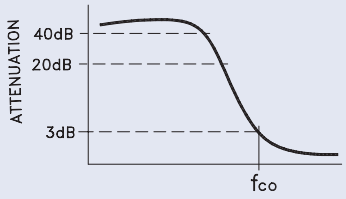
- miniature size, 0.15"x0.15"x.028"
- low profile, .028" height
- low pass band insertion loss, 1.0 dB typ.
- high power handling, 14W

applications

- sub-harmonic rejection of VCO
- can be combined with LPCH and LFTC series

to form bandpass filters

TYPICAL FREQUENCY RESPONSE



model identification

Model	marking
HFTC-9R5	HF7 OR F7
HFTC-9R5L	HF7 OR F7
HFTC-16	HF2 OR F2
HFTC-16L	HF2 OR F2

NOTES:

◆ Aqueous washable.

A. Environmental specifications and re-flow soldering information available in General Information Section.

B. Units are non-hermetic unless otherwise noted. For details on case dimensions & finishes see "Case Styles & Outline Drawings".

C. Prices and Specifications subject to change without notice.

1. Operating temperature, -55°C to 100°C.

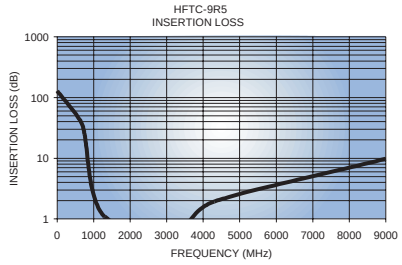
pin connections

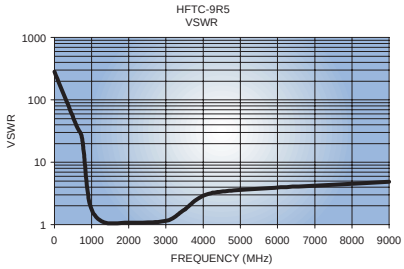
see case style outline drawings

PORT	nw
INPUT	2
OUTPUT	5
GND	1,3,4,6
DEMO BOARD	TB-233

Typical Performance Data at 25°C

Freq. (MHz)	Ins. Loss (dB)	VSWR (:1)
1.00	128.65	285.20
600.00	44.78	38.32
750.00	25.06	23.43
950.00	3.28	2.16
1300.00	1.08	1.11
2000.00	0.69	1.08
3000.00	0.59	1.15
3500.00	0.76	1.74
4300.00	1.94	3.28
9000.00	9.82	4.89





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