

CERAMIC HIGH PASS 1300 to 7000 MHz

BLUE CELL™



HFTC

NEW!

all specifications at 25°C

MODEL NO.	STOP BAND (MHz)		fco (MHz) Nom.	PASSBAND (MHz)	VSWR (:1)		POWER INPUT (W)	CASE STYLE	CONNECTION	PRICE \$
	(loss >40dB)	(loss >20dB)	(loss 3 dB) Typ.	(loss < 1.3 dB)	Stopband Typ.	Passband Typ.				
HFTC-9R5	DC-600	750	950	1300-3500 (loss < 1.4 dB)	18	1.3	14	FR933	nw	3.75
HFTC-16	DC-1030	1300	1580	1900-2700	18	1.3	14	FR933	nw	3.75
HFTC-19	DC-1450	1650	1995	2300-5500 (loss < 1.5 dB)	18	1.3	10	FR933	nw	3.75
HFTC-26	DC-1450	2000	2570	3000-7000	18	1.5	10	FR933	nw	3.75
HFTC-39	DC-1900	3050	3900	4500-5500	18	1.4	10	FR933	nw	3.75

see suggested PCB layout (PL-112) for HFTC 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, up to 14W

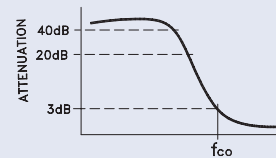
applications

- sub-harmonic rejection of VCO
- can be combined with LPCH and LFTC series to form bandpass filters

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. Absolute maximum power, voltage & current ratings. See spec table above. At 100°C ambient derate linearly to 6W (HFTC-9R5, -16) and to 4W (HFTC-19, -26, -39)
- 2. Operating temperature, -55°C to 100°C.
- 3. Storage Temperature, -55°C to 125°C, HFTC models

TYPICAL FREQUENCY RESPONSE



model identification

Model	marking
HFTC-9R5	HF7
HFTC-16	HF2
HFTC-19	HF6
HFTC-26	HF11
HFTC-39	HF12

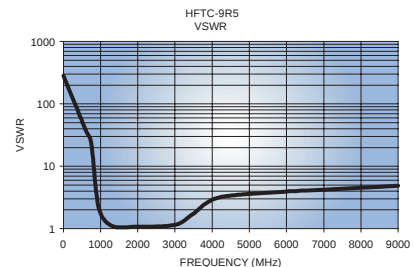
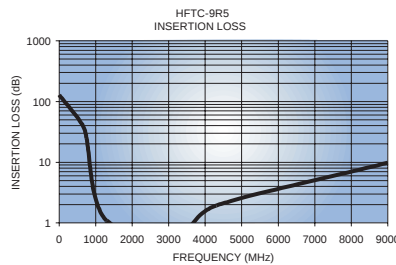
pin connections

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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