

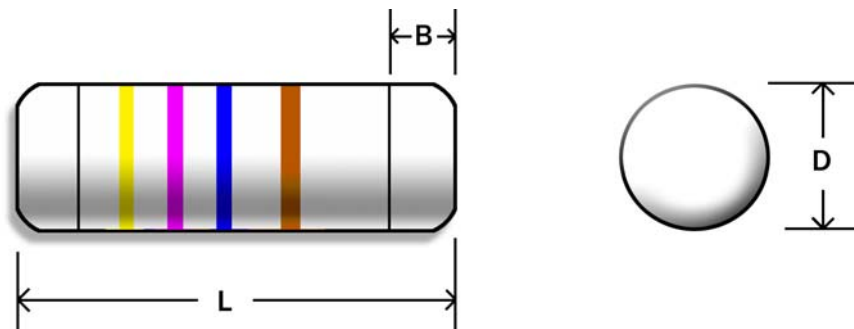
HFT- High Frequency Terminator Resistor

Specifications Per

- IEC 115-1 115-2
- CECC 40101
- DIN 44061

Features

- SMD enabled structure
- Superior Frequency Response
- Excellent Solderability Termination
- 5% is 3-band coded, 1% and under is 4-band coded



Dimensions

Type	Body Length (L)	Body Diameter (D)	Soldering spot (B)	Net Weight Per 1000 pcs
HFT204	3.45mm±0.1mm	1.35±0.1mm	0.6mm Min.	17 grams
HFT207	5.9mm±0.2mm	2.2±0.1mm	1.0mm Min.	66 grams

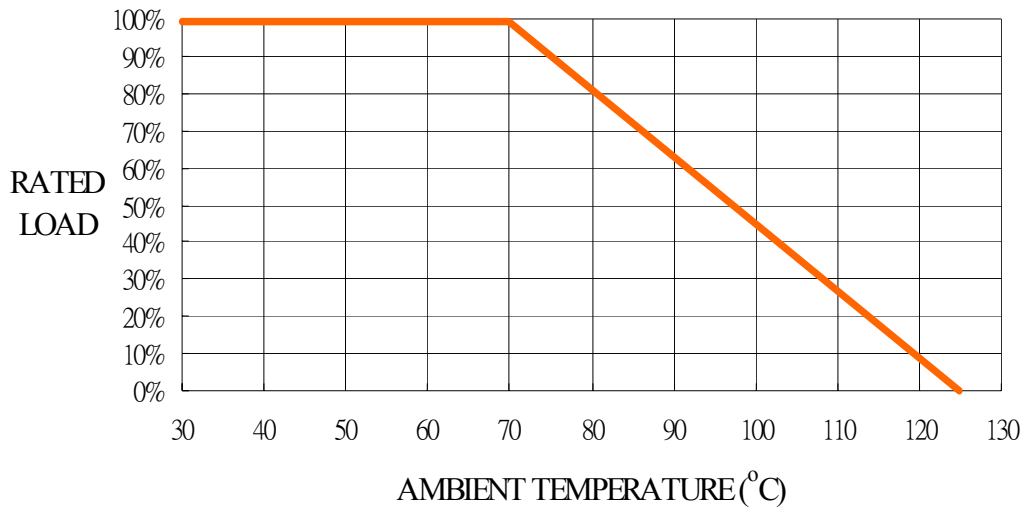
General Specifications

Type	Power Rating (at 70°C)	Max. Working Voltage	Max. Overload Voltage	Resistance Range Min.	Resistance Range Max.	Resistance Tolerance	Standard Resistance Value
HFT204	1/4W	200V	400V	25Ω	75Ω	±0.1%~±1%	E-24/E-96
HFT207	1/3W	300V	500V	25Ω	75Ω	±0.1%~±1%	E-24/E-96

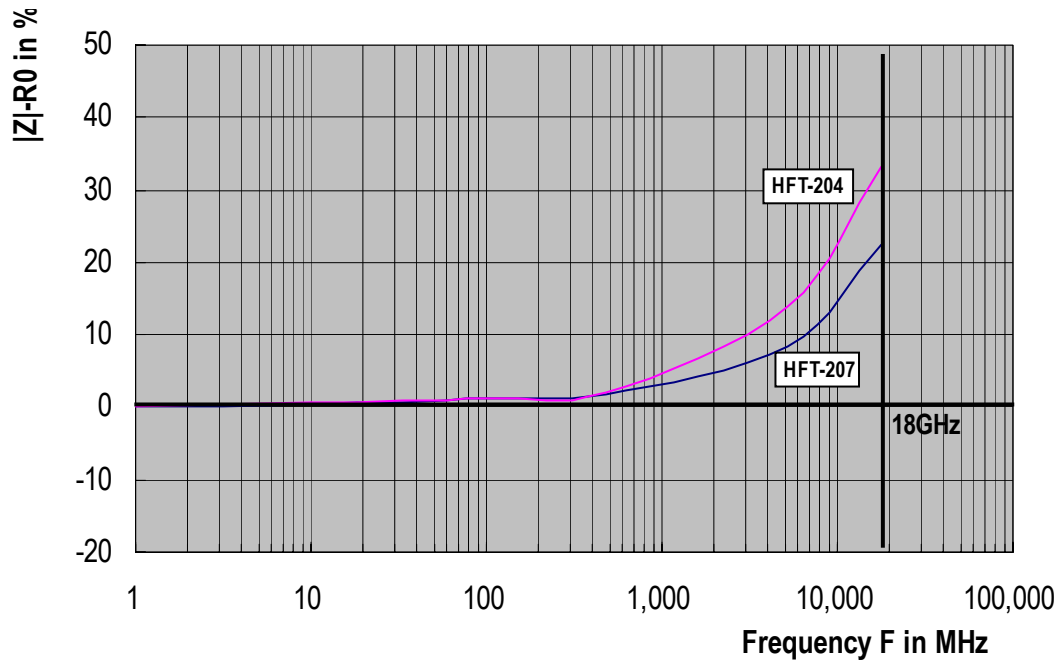
Special size, values, and specifications not listed available on special order.

HFT- High Frequency Terminator Resistor

POWER DERATING CURVE



High Frequency Performance



May. 26, 2000

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Technical Summary:

Characteristics	Limits	
Dielectric Withstanding Voltage, VAC or DC	HFT204: 200VAC HFT207: 500VAC	
Temperature Coefficient, PPM / °C	±1%, 2%	±50
	±5%	±100
Operating Temperature Range, °C	-55 ~ +125	
Film Temperature, °C	HFT204	HFT207
	125	125
Insulation Resistance, MΩ	>10 ⁴	

Performance Specifications

Tests Characteristics	Test Conditions	Limits
Short Time Overload	IEC 60115-1 4.13 5 seconds 2.5x rated voltage (not over max. overload voltage)	±(0.5%+0.05R)
Load Life In Humidity	IEC 60115-1 4.24 56 days at 40°C and 93% relative humidity	±(1.0%+0.05R)
Load Life 1,000 hours	IEC 60115-1 4.25.1 Rated load 1.5 hours ON, 0.5 hours OFF, at 70°C	±(1.0%+0.05R)
Resistance To Soldering Heat	IEC 60115-1 4.18 10 seconds at 260°C solder bath temperature	±(0.5%+0.05R)
Solderability	MIL-STD-202 Method 208 Solder area covered after 230±5°C/5±0.5 seconds w/ flux applied	95% Min.
Vibration	MIL-STD-202 Method 204 Six hours in each parallel and axial direction w/ a simple harmonic motion having an amplitude of 1.52mm and 10 to 20,000 Hz.	±(1%+0.1R)
Terminal Endurance	IEC 60115-1 4.25.3 1000 hours at 125°C without load	±(0.5%+0.05R)
Thermal Shock	IEC 60115-1 4.19 -55°C 30minutes, +125°C 30minutes, 5 cycles	±(0.5%+0.05R)

Ordering Information

Type	Tolerance	Temperature Coefficient	Resistance Value	Packaging	Special Request (Optional)
HFT204 HFT207	J (5%)	TK100	10K	B TR	LV (Low value)

May. 26, 2000