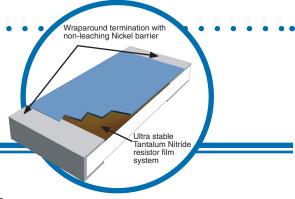
High Frequency Chip Resistor Terminators



PFC HF Series

- Long life self-passivating TaNFilm® element
- Frequency performance characterized to 6GHz
- Available in 0402, 0603, 0805 and 1206 chip sizes
- Standard Sn/Pb and Pb-free terminations available



The PFC-HF series of high frequency chip terminators are available in standard chip resistor sizes. Available in 0402, 0603,

0805 and 1206 chip sizes, the PFC-HF is a drop-in replacement for poorer performing standard size chips.

With operation characterized to 6GHz, the PFC-HF series is suitable for RF and microwave transmission line termination as well as high speed digital line termination. Applications include SCSI bus termination, DDR memory termination, RF and microwave transmit and receive line terminations and general high speed transmission line termination.

Electrical Data

Model	Impedance	Power Rating @ 70C	Available Tolerances	Operating Temperature Range	Noise	Termination	Substrate
W0402HF	50Ω and 75Ω	50mW	±10%, ±5%, ±2%, ±1%	-55°C to ±125°C	<-25dB	60/40 Sn/Pb Plate or Matte Tin Finish	99.5% Alumina
W0603HF		100mW					
W0805HF		250mW					
W1206HF		333mW					

Environmental Data

Environmental Test MIL-PRF-55342	Maximum AB nov Characteristic E	Performance		
Environmental lest Mil-PRF-55542	Maximum ∆R per Characteristic E	Typical	Maximum	
Thermal Shock	±0.10%	±0.02%	±0.10%	
Low Temperature Operation	±0.10%	±0.01%	±0.05%	
Short Time Overload	±0.10%	±0.01%	±0.05%	
High Temperature Exposure	±0.10%	±0.03%	±0.10%	
Effects of Solder	±0.20%	±0.01%	±0.10%	
Moisture Resistance	±0.20%	±0.03%	±0.10%	
Life	±0.50%	±0.03%	±0.10%	



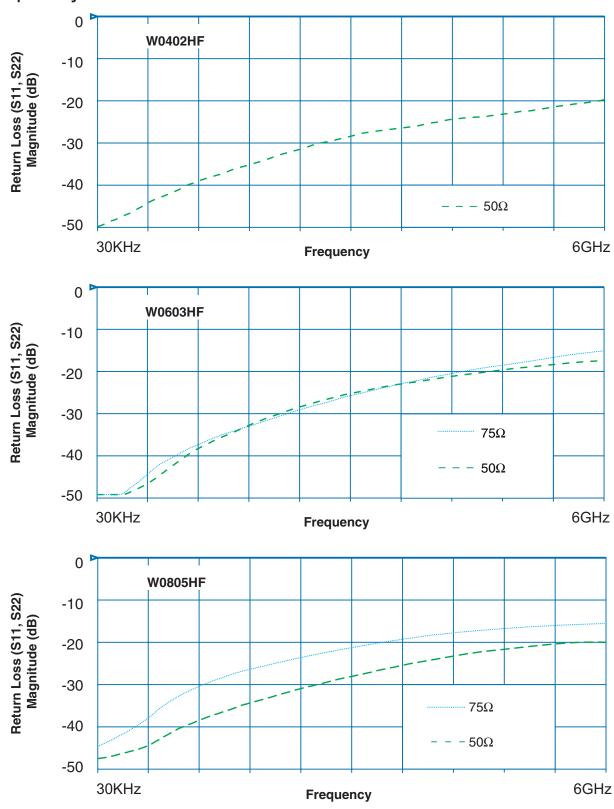
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High Frequency Chip Resistor Terminators



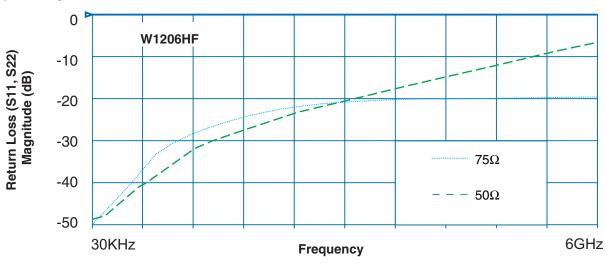
Frequency Performance Data



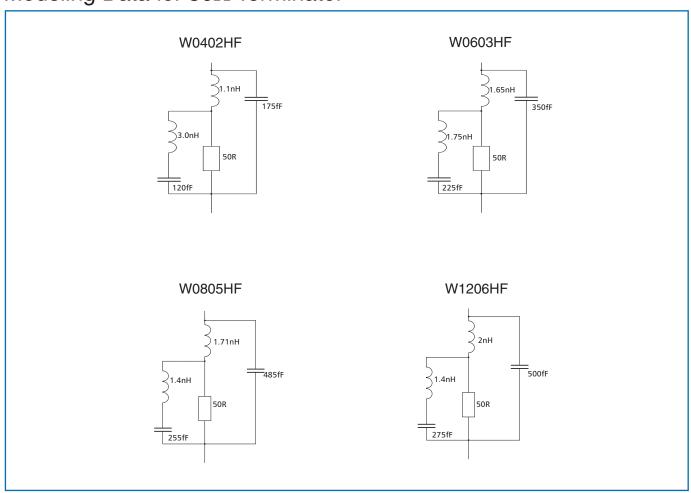
High Frequency Chip Resistor Terminators



Frequency Performance Data



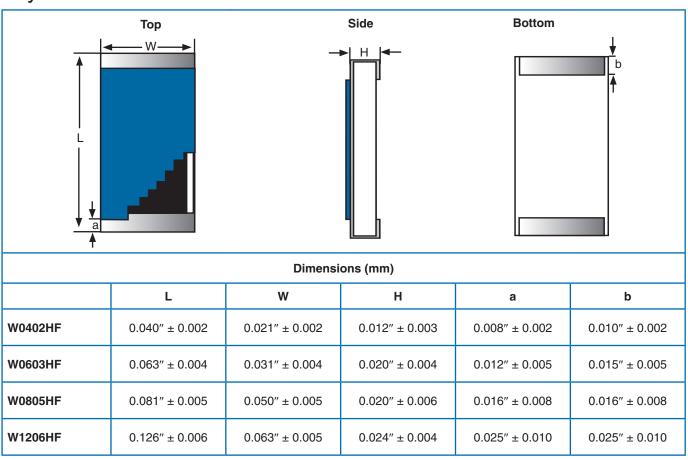
Modeling Data for 50Ω Terminator



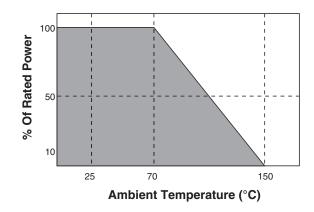
High Frequency Chip Resistor Terminators



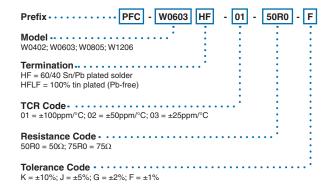
Physical Data



Power Derating Curve



Ordering Data



For additional information or to discuss your specific requirements, please contact our Applications Team using the contact details below.