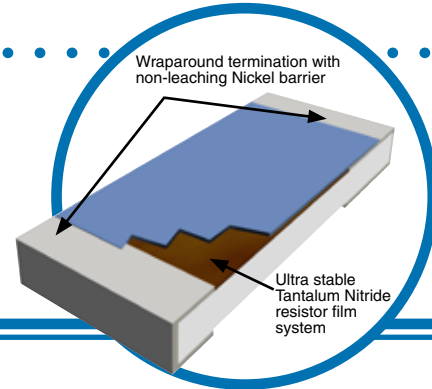


High Frequency Chip Resistor Terminators

PFC HF Series

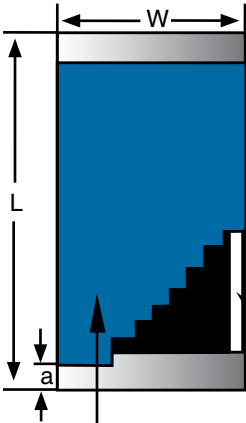
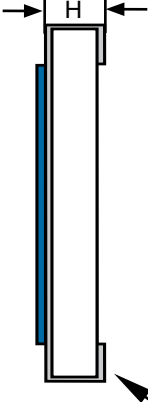
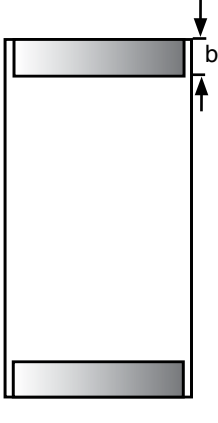
- Long life TaNFilm® element
- Absolute TCR to $\pm 25 \text{ ppm}/^\circ\text{C}$
- Available in 0603, 0805 and 1206 chip sizes
- Standard Sn/Pb and Pb-free terminations available



Electrical Data

	Maximum Continuous Power Rating	Ohmic Value	Available Tolerances	Temperature Range	Noise	Termination	Substrate
W0603HF	100mW	50.0 Ω	K J G F	-55°C to 150°C	<-25dB	Tin Plate	99.5% Alumina
W0805HF	250mW						

Physical Data (mm)

	Top	Side	Bottom		
					
	L	W	H	a	b
W0603	1.60 $\pm$ 0.1	0.79 $\pm$ 0.1	0.51 $\pm$ 0.1	0.30 $\pm$ 0.13	0.38 $\pm$ 0.13
W0805	2.06 $\pm$ 0.13	1.27 $\pm$ 0.13	0.51 $\pm$ 0.15	0.41 $\pm$ 0.20	0.41 $\pm$ 0.20

General Note

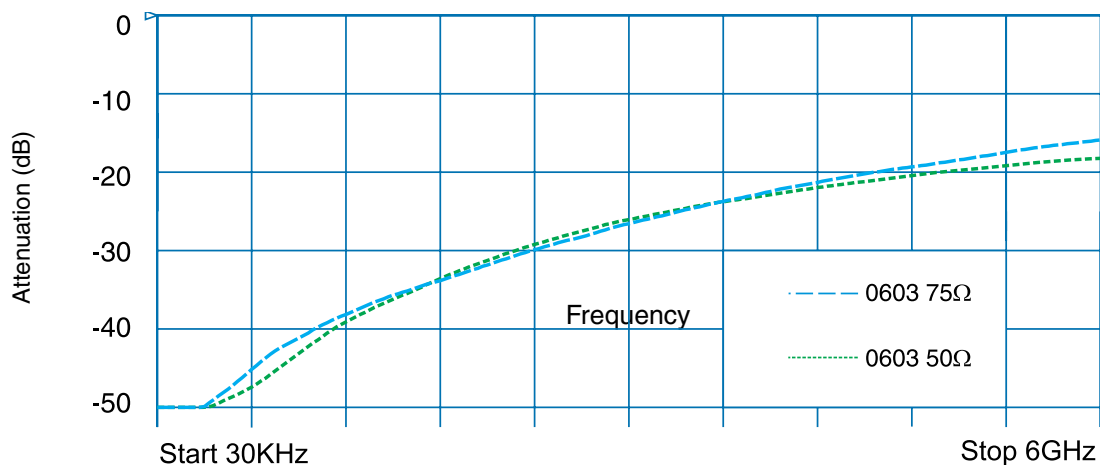
Welwyn Components reserves the right to make changes in product specification without notice or liability. All information is subject to Welwyn's own data and is considered accurate at time of going to print.

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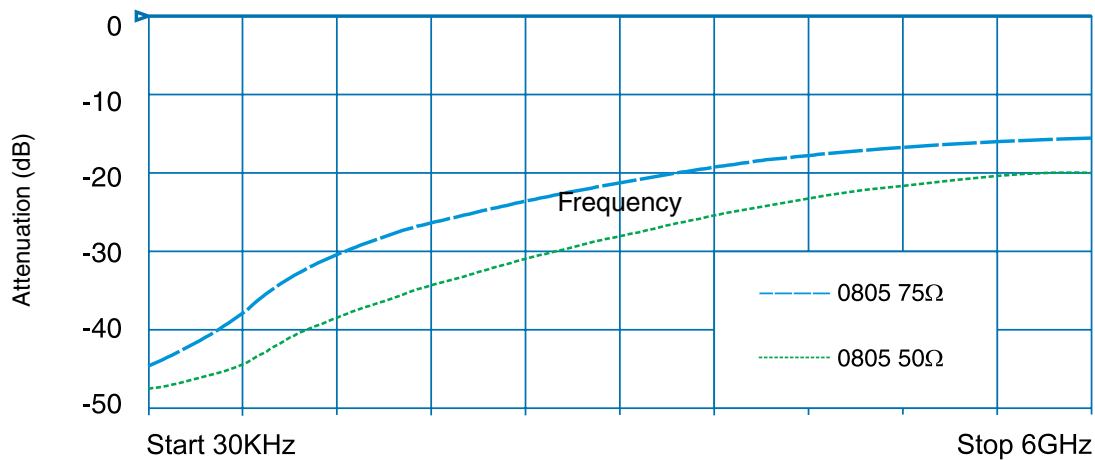
High Frequency Chip Resistor Terminators

Return Loss Data (S11, S22)

W0603HF Frequency Performance



W0805HF Frequency Performance

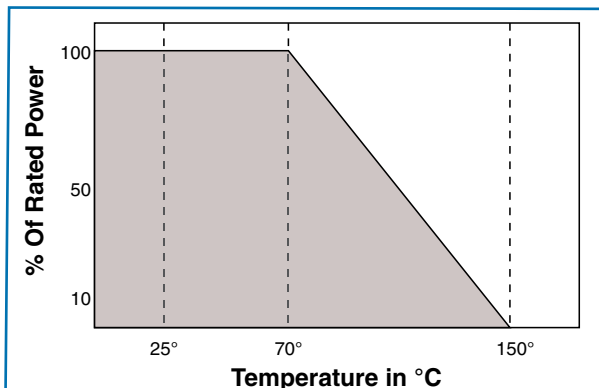


High Frequency Chip Resistor Terminators

Environmental Performance

Environmental Test MIL-PRF-55342	Maximum ΔR Per Characteristic E	Performance	
		Typical	Maximum
Thermal Shock	$\pm 0.10\%$	$\pm 0.02\%$	$\pm 0.10\%$
Low Temperature Operation	$\pm 0.10\%$	$\pm 0.01\%$	$\pm 0.05\%$
Short-time Overload	$\pm 0.10\%$	$\pm 0.01\%$	$\pm 0.05\%$
High Temperature Exposure	$\pm 0.10\%$	$\pm 0.03\%$	$\pm 0.10\%$
Effects Of Solder	$\pm 0.20\%$	$\pm 0.01\%$	$\pm 0.10\%$
Moisture Resistance	$\pm 0.20\%$	$\pm 0.03\%$	$\pm 0.10\%$
Life	$\pm 0.50\%$	$\pm 0.03\%$	$\pm 0.10\%$

Power Derating Curve



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

Ordering Data

Model	W0603HF - 01 - 50R - F
W0603; W0805; W1206	
TCR Code	01 = $\pm 100\text{ppm}/^\circ\text{C}$; 02 = $\pm 50\text{ppm}/^\circ\text{C}$; 03 = $\pm 25\text{ppm}/^\circ\text{C}$
Value	50R = 50 Ω ; 75R = 75 Ω
Tolerance (use IEC62 code)	K = $\pm 10\%$; J = $\pm 5\%$; G = $\pm 2\%$; F = $\pm 1\%$