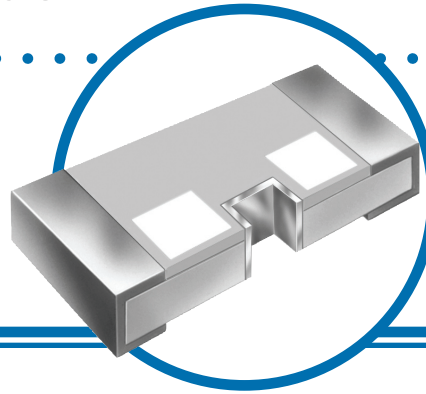


# High Temperature TaNFilm<sup>®</sup> Surface Mount Voltage Divider



## PFC HT Divider Series

- Popular 1206 Chip Size
- 100Ω to 25KΩ per resistor
- Operating temperature to 200°C
- Gold and 100% matte tin terminations available
- TaNFilm<sup>®</sup> element provides excellent stability in harsh environments



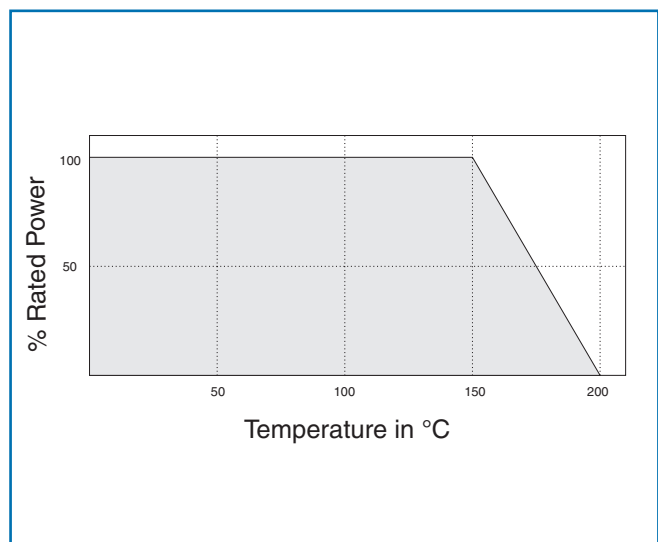
## Electrical Data

Characteristic	Each Resistor	Total Resistance
Resistance Range	100 - 25KΩ	50KΩ
Power Rating	100mW	125mW
Absolute TCR	to ±25ppm/°C	
Tracking TCR	to ±5ppm/°C	
Maximum Voltage Rating	100 volts	
Operating Temperature Range	-65°C to +200°C	
Noise	Less than -25 db	
Termination	Wire/epoxy bondable gold or 100% matte tin (Pb-free)	

## Environmental Data

Environmental Test MIL-PRF-55342	Maximum ΔR	Maximum ΔRatio
Thermal Shock	±0.10%	±0.01%
Short Time Overload	±0.05%	±0.01%
High Temperature Exposure	±0.10%	±0.02%
Effects of Solder	±0.10%	±0.02%
Moisture Resistance	±0.10%	±0.05%
Life: 1000 hours 200°C, no load	±1.0%	±0.10%
Life: 1000 hours, 150°C, rated power	±0.5%	±0.05%

## Power Derating Curve



### General Note

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

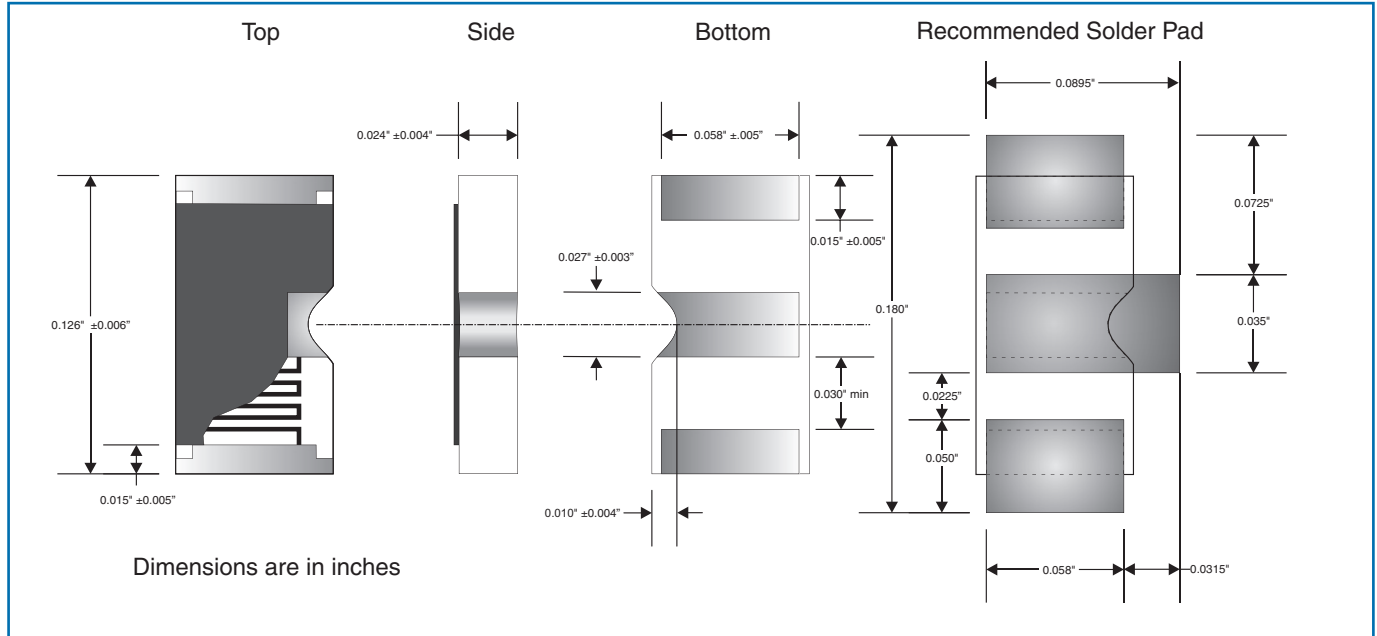
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# High Temperature TaNFilm<sup>®</sup> Surface Mount Voltage Divider



## Physical Data



## Ordering Data

Prefix	PFC	D1206HT	03	1002	1001	F	B
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**Model**  
D1206HT - Divider network with Gold termination  
D1206HTLF - Divider network with 100% tin Pb-free termination

**TCR Code**  
01 = ±100ppm/°C; 02 = ±50ppm/°C; 03 = ±25ppm/°C

**R1 Resistance Code**  
Standard 4-Digit resistance code.  
Ex: 1002 = 10KΩ; 1000 = 100Ω

**R2 Resistance Code**  
Standard 4-Digit resistance code

**Absolute Tolerance**  
F = ±1%

**Ratio Tolerance**  
F = ±1%; D = ±0.5%; B = ±0.1%

## Packaging Data

