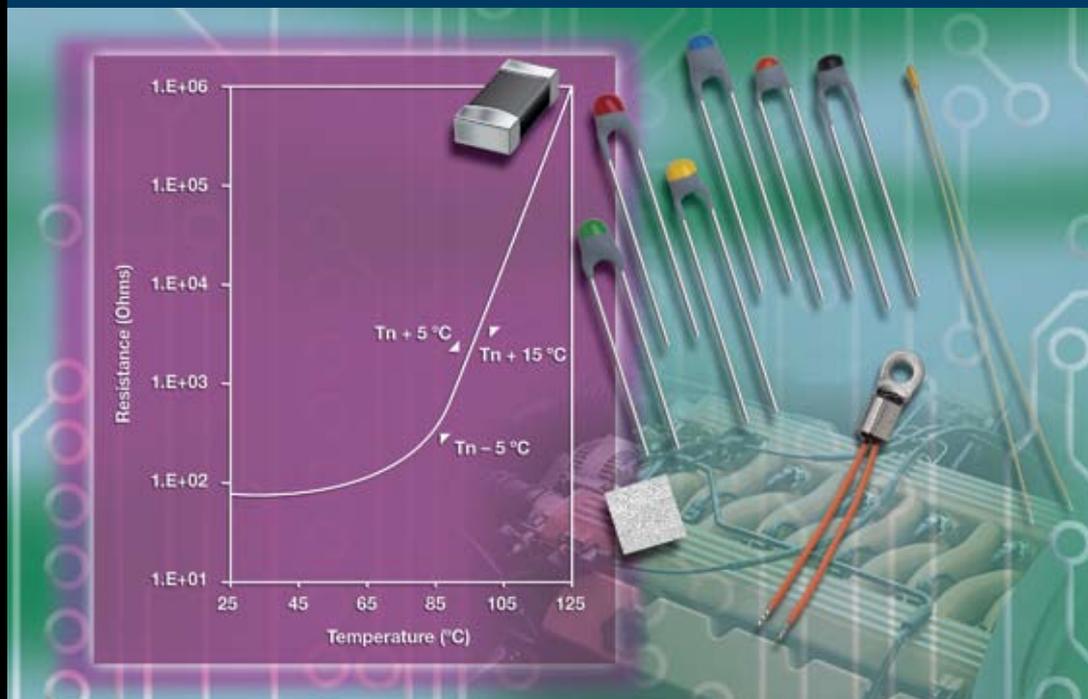




VISHAY INTERTECHNOLOGY, INC.



## PTC THERMISTORS

For Over-Temperature Protection

### KEY BENEFITS

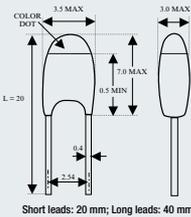
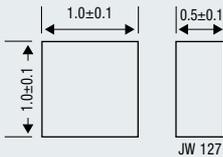
- Well-defined protection temperature levels
- Very fast reaction time
- Excellent temperature coupling
- Stable over long life
- Wide range of protection temperatures from 60 °C to 170 °C
- Available in various configurations:
  - SMD 0805 NiSn
  - Leaded
  - Lug
  - Naked chips
  - Insulated long leads

### APPLICATIONS

- Temperature protection in motors, transformers, power supplies, and power semiconductor devices



# PTC THERMISTORS

Product	Tn (°C)	Model	PTCSS12T...DTE	Rmax at Tn - 5 °C (Ω)	Rmin at Tn + 5 °C (kΩ)	R at 25 °C (Ω)	
<b>SMD 0805 NiSn</b>  		<b>2381... 675...</b>					
	70	20707	071	4700	4.7	470 ± 50 %	
	80	20807	081				
	90	20907	091				
	100	21007	101				
	110	21107	111				
	120	21207	121				
	130	21307	131				
	140	21407	141				
<b>Leaded Lug</b>   Short leads: 20 mm; Long leads: 40 mm		<b>2381 671 91... Short/Long Leads</b>	<b>PTCSL20T...DBE</b> <b>PTCST40T...DBE</b>				
	70	102/152	071	50 to 570	0.570 to 50	100 Max	
	80	103/153	081				
	90	104/154	091				
	100	105/155	101				
	110	106/156	111				
	120	107/157	121				
	130	109/159	131				
	140	112/162	141				
	150	114/164	151				
			<b>2381 671 91...</b>	<b>PTCSGM3T...DBE</b>			
	70	202	071	50 to 570	0.570 to 50	100 Max	
	80	203	081				
	90	204	091				
	100	205	101				
	110	206	111				
	120	207	121				
	130	209	131				
	140	212	141				
	150	214	151				
	<b>Naked Chips (1.0 x 1.0 mm or 1.7 x 1.7 mm)</b>  91071 to 91087  JW 127		<b>2381 671 91... 1.7 x 1.7 mm/ 1.0 x 1.0 mm</b>	<b>PTCSC17T...DBE</b> <b>PTCSC10T...DBE</b>			
		60	---/071	10T061	50 to 570	0.570 to 50	100 Max
		70	002/072	071			
		80	003/073	081			
90		004/074	091				
100		005/075	101				
110		006/076	111				
120		00 7/077	121				
125		---/078	10T125				
130		009/079	131				
135		---/081	10T135				
140		012/082	141				
145		---/083	10T145				
150		014/084	151				
155		015/085	155				
160		016/086	161				
170		017/087	171				
<b>Insulated Long Leads</b> 	Insulated long leads based on 2381 671 910 series available on request						

One of the World's Largest Manufacturers of  
**Discrete Semiconductors and Passive Components**

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