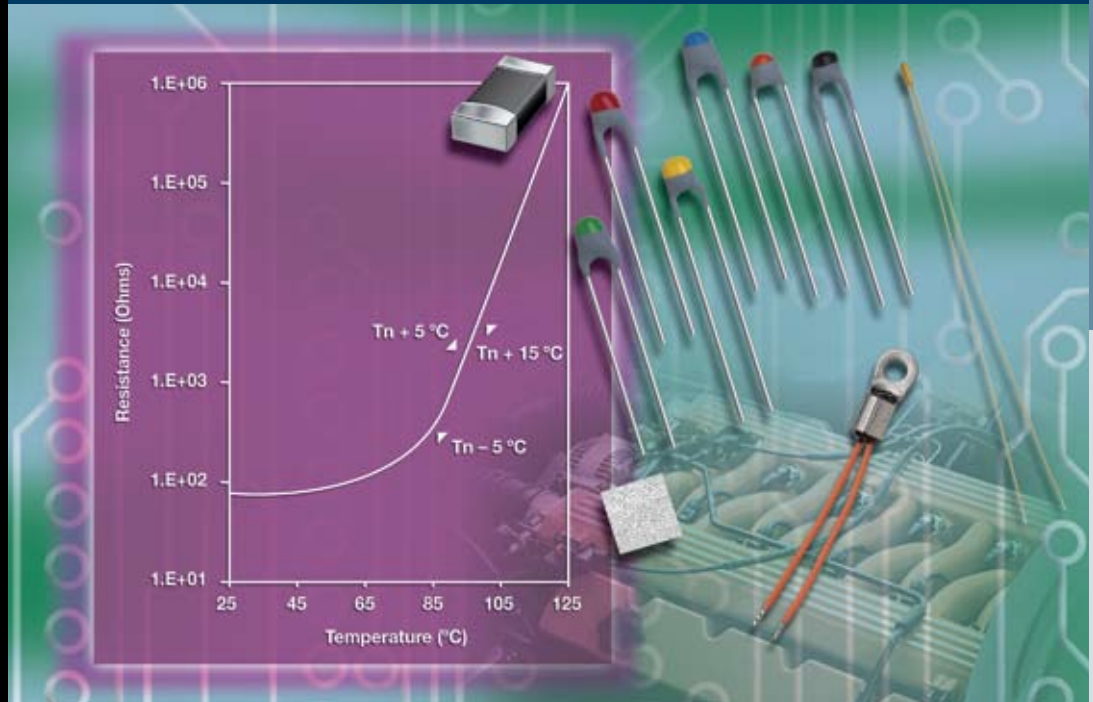




VISHAY INTERTECHNOLOGY, INC.



## PTC THERMISTORS

For Over-Temperature Protection

### KEY BENEFITS




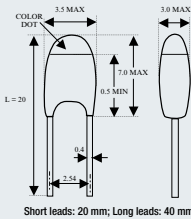

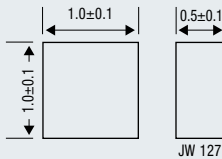

- Well-defined protection temperature levels
- Very fast reaction time
- Excellent temperature coupling
- Stable over long life
- Wide range of protection temperatures from 60 °C to 170 °C
- Available in various configurations:
  - SMD 0805 NiSn
  - Leaded
  - Lug
  - Naked chips
  - Insulated long leads

### APPLICATIONS

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



# PTC THERMISTORS

Product	T <sub>n</sub> (°C)	Model	PTCSS12T...DTE	R <sub>max</sub> at T <sub>n</sub> - 5 °C (Ω)	R <sub>min</sub> at T <sub>n</sub> + 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	50 to 550	1.33 to 50		
	90	104/154	091	50 to 550	1.33 to 50		
	100	105/155	101	50 to 550	1.33 to 50		
	110	106/156	111	50 to 550	1.33 to 50		
	120	107/157	121	50 to 550	1.33 to 50		
	130	109/159	131	50 to 550	1.33 to 50		
	140	112/162	141	50 to 550	1.33 to 50		
	150	114/164	151	50 to 550	1.33 to 50		
			<b>2381 671 91...</b>	<b>PTCSGM3T...DBE</b>			
	70	202	071	50 to 570	0.570 to 50	100 Max	
	80	203	081	50 to 550	1.33 to 50		
	90	204	091	50 to 550	1.33 to 50		
	100	205	101	50 to 550	1.33 to 50		
	110	206	111	50 to 550	1.33 to 50		
	120	207	121	50 to 550	1.33 to 50		
	130	209	131	50 to 550	1.33 to 50		
	140	212	141	50 to 550	1.33 to 50		
	150	214	151	50 to 550	1.33 to 50		
<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	50 to 570	0.570 to 50		
	80	003/073	081	50 to 570	0.570 to 50		
	90	004/074	091	50 to 550	1.33 to 50		
	100	005/075	101	50 to 550	1.33 to 50		
	110	006/076	111	50 to 550	1.33 to 50		
	120	00 7/077	121	50 to 550	1.33 to 50		
	125	---/078	10T125	50 to 550	1.33 to 50		
	130	009/079	131	50 to 550	1.33 to 50		
	135	---/081	10T135	50 to 550	1.33 to 50		
	140	012/082	141	50 to 550	1.33 to 50		
	145	---/083	10T145	50 to 550	1.33 to 50		
	150	014/084	151	50 to 550	1.33 to 50		
	155	015/085	155	50 to 550	1.33 to 50		
	160	016/086	161	50 to 550	1.33 to 50		
	170	017/087	171	50 to 550	1.33 to 50		
<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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