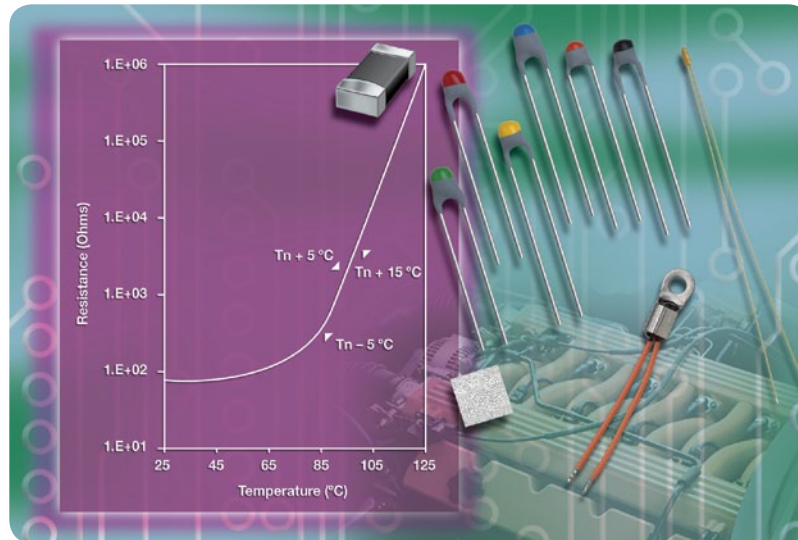


### Well-Defined Protection Temperature Levels



#### 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
  - Leded
  - Lug
  - Naked chips
  - Insulated long leads

#### APPLICATIONS

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

#### RESOURCES

- For technical questions contact [nlr@vishay.com](mailto:nlr@vishay.com)
- Sales Contacts: <http://www.vishay.com/doc?99914>



Product	T <sub>n</sub> (°C)	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> 	70	071	4700	4.7	470 ± 50 %	
	80	081				
	90	091				
	100	101				
	110	111				
	120	121				
	130	131				
	140	141				
<b>Leaded Lug</b> <p>Short leads: 20 mm; Long leads: 40 mm</p>		<b>PTCSL20T...DBE</b> <b>PTCST40T...DBE</b>			100 max	
	70	071	50 to 570	0.570 to 50		
	80	081	50 to 550	1.33 to 50		
	90	091	50 to 550	1.33 to 50		
	100	101	50 to 550	1.33 to 50		
	110	111	50 to 550	1.33 to 50		
	120	121	50 to 550	1.33 to 50		
	130	131	50 to 550	1.33 to 50		
	140	141	50 to 550	1.33 to 50		
	150	151	50 to 550	1.33 to 50		
			<b>PTCSGM3T...DBE</b>			100 max
	70	071	50 to 570	0.570 to 50		
	80	081	50 to 550	1.33 to 50		
	90	091	50 to 550	1.33 to 50		
	100	101	50 to 550	1.33 to 50		
	110	111	50 to 550	1.33 to 50		
	120	121	50 to 550	1.33 to 50		
	130	131	50 to 550	1.33 to 50		
140	141	50 to 550	1.33 to 50			
150	151	50 to 550	1.33 to 50			
<b>Naked Chips (1.7 x 1.7 mm)</b> <p>91071 to 91087 JW 127</p>		<b>PTCSC17T...DBE</b>			100 max	
	60	10T061	50 to 570	0.570 to 50		
	70	071	50 to 570	0.570 to 50		
	80	081	50 to 570	0.570 to 50		
	90	091	50 to 550	1.33 to 50		
	100	101	50 to 550	1.33 to 50		
	110	111	50 to 550	1.33 to 50		
	120	121	50 to 550	1.33 to 50		
	125	10T125	50 to 550	1.33 to 50		
	130	131	50 to 550	1.33 to 50		
	135	10T135	50 to 550	1.33 to 50		
	140	141	50 to 550	1.33 to 50		
	145	10T145	50 to 550	1.33 to 50		
	150	151	50 to 550	1.33 to 50		
155	155	50 to 550	1.33 to 50			
160	161	50 to 550	1.33 to 50			
170	171	50 to 550	1.33 to 50			
<b>Insulated Long Leads</b> 	Insulated long leads based on PTCSL20T... series available on request					