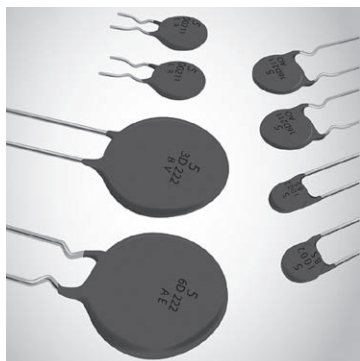


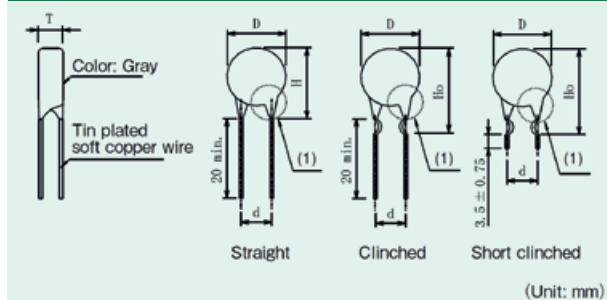
## POWER THERMISTOR D2 SERIES



**Semitec's Power Thermistor D2 series**, are negative temperature coefficient (NTC) thermistors, which can be used to suppress inrush currents of electric circuits, when added in series with the circuit which has to be protected.

Switching power supplies, AC motors, and lighting ballasts can induce an inrush current of more than 100 times the nominal current when the circuit is switched on. The initially high resistance device heats up when an inrush current passes through it. The heat up causes a dramatic decrease in resistance, reduces power loss and results in energy savings.

### LEAD WIRE FORM



### APPLICATIONS

- Switching power supplies
- Air conditioner
- Audio equipment
- LCD projectors
- Copier / printer
- Office automation equipment
- Gaming machine power supplies

PART NO. SERIES	RATED ZERO-POWER RESISTANCE AT 25°C (Ω, ±15%) <sup>1</sup>	B-VALUE (25/85) (K, ±15%)	OPERATING TEMP. RANGE °C
<b>RATING</b>			
<b>D2-05</b>	5~20	2650~2800	-50~150
<b>D02-07</b>	5~22	2800~2900	-40~160
<b>D02-08</b>	5~20	2700~2900	-50~170
<b>D02-10</b>	2~16	2800~3000	-40~160
<b>D02-11</b>	2~20	2650~3000	-50~170
<b>D02-13</b>	1~16	2650~3050	-50~200
<b>D02-14</b>	2~16	2800~3000	-40~160
<b>D02-15</b>	1~16	2650~3100	-50~200
<b>D02-18</b>	4~47	2900~3450	-50~200
<b>D02-22</b>	1~16	2800~3000	-50~200

Reference values<sup>1</sup>