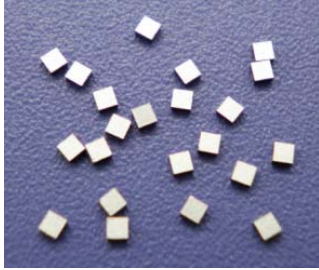
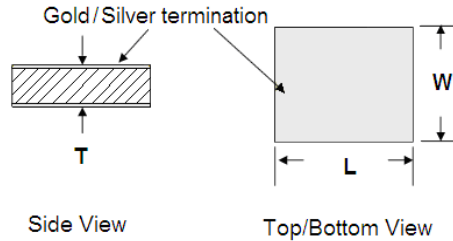


## DT Series--Die (Bare Chip) NTC Thermistor



### DIMENSION :



### FEATURES

DT series NTC thermistor is the newest development in chip NTC thermistors. The miniature package is designed for hybrid applications where bonding wire or Au/Sn solder is used as the attachment method. The terminations on the top and bottom of the thermistor are gold (Au) plated for the ultimate in hybrid designs and construction.

- High accuracy tolerances to  $\pm 0.1^\circ\text{C}$
- Excellent thermal cycle endurance
- High stability
- Operating ranges from  $-50^\circ\text{C} \sim +200^\circ\text{C}$

### APPLICATION

- Hybrid designs and construction
- High Precision NTC Temperature sensor

### Part Number Identification

<b>DT</b>	<b>1 0 3</b>	<b>F</b>	<b>3 4 3 5</b>	<b>A</b>
①	②	③	④	⑤

①		②		③		④		⑤	
Product Series Code		Resistance @25°C		R Tolerance		B Constance		Test Temp. of B	
DT	Die (Bare Chip) NTC Thermistor	202	$20 \times 10^2 \Omega$	F	$\pm 1\%$	3435: B=3435	A	$25^\circ\text{C}/50^\circ\text{C}$	
				G	$\pm 2\%$		B	$25^\circ\text{C}/85^\circ\text{C}$	
		103	$10 \times 10^3 \Omega$	H	$\pm 3\%$	4100: B=4100	C	$0^\circ\text{C}/25^\circ\text{C}$	
473	$47 \times 10^3 \Omega$	J	$\pm 5\%$	D	$0^\circ\text{C}/50^\circ\text{C}$				
					E		$0^\circ\text{C}/100^\circ\text{C}$		
						G	$50^\circ\text{C}/100^\circ\text{C}$		

## Electronic Parameter Specification

Part No.	R <sub>25°C</sub> (KΩ)	B(K)	Rated Power @25°C (mW)	Dissipation Factor( δ ) (mW/°C)	Thermal Time Constant (S)
DT102□3150A	1.0	3150	15	2.5	≤15
DT202□3150A	2.0	3150			
DT502□3274A	5.0	3274			
DT502□3435B	5.0	3435			
DT502□3470A	5.0	3470			
DT502□3950A	5.0	3950			
DT103□3274A	10.0	3274			
DT103□3435B	10.0	3435			
DT103□3470A	10.0	3470			
DT103□3950A	10.0	3950			
DT103□4100A	10.0	4100			
DT153□3950A	15.0	3950			
DT153□4100A	15.0	4100			
DT203□3950A	20.0	3950			
DT203□4100A	20.0	4100			
DT223□4200A	22.0	4200			
DT333□3950A	33.0	3950			
DT403□3928A	40.27	3928			
DT473□3950A	47.0	3950			
DT473□4100A	47.0	4100			
DT503□3950A	50.0	3950			
DT503□4100A	50.0	4100			
DT104□3950A	100	3950			
DT104□4100A	100	4100			
DT104□4400A	100	4400			

- ◆ The B-tolerance is ±1% when R--tolerance within ±3%, others are ±2%.
- ◆ Special part number could be custom designed.