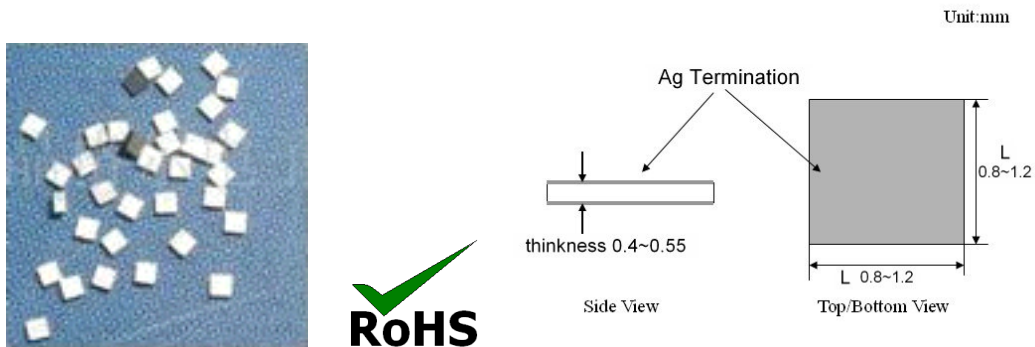


DT Series—Die(Bare chip) NTC Thermistor



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 Ag (Au) plated for the ultimate in hybrid designs and construction.

FEATURES

- High accuracy tolerances to +/-0.1°C
- Excellent thermal cycle endurance
- High stability
- Operating ranges from -50oC -- 200°C

APPLICATION

- hybrid designs and construction
- High Precision NTC Temperature sensor

Part Number Identification

DT	103	F	3435	A	
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 Dip (bare chip) type NTC thermistor	R202	20×10 ² Ω	B ±0.1°C	3435: B=3435	A 25°C/50°C
	R103	10×10 ³ Ω	C ±0.25°C		
	R473	47×10 ³ Ω	D ±0.5°C		
			F ±1%	4100: B=4100	B 25°C/85°C
			G ±2%		
		H ±3%			
		J ±5%			

Electronic parameter Specification

Part No.	R25°C (KΩ)	B (K)	Rated Power @25°C (mw)	Dissipation factor(δ) (mW/°C)	Thermal time constant (s)
DT102□3150A	1.0kΩ	3150	15	2.5	≤15
DT202□3150A	2.0kΩ	3150	15	2.5	≤15
DT502□3274A	5.0kΩ	3274	15	2.5	≤15
DT502□3435B	5.0kΩ	3435	15	2.5	≤15
DT502□3470A	5.0 kΩ	3470	15	2.5	≤15
DT502□3950A	5.0kΩ	3950	15	2.5	≤15
DT103□3274A	10.0kΩ	3274	15	2.5	≤15
DT103□3435B	10.0kΩ	3435	15	2.5	≤15
DT103□3470A	10.0kΩ	3470	15	2.5	≤15
DT103□3950A	10.0kΩ	3950	15	2.5	≤15
DT103□4100A	10.0kΩ	4100	15	2.5	≤15
DT153□3950A	15.0kΩ	3950	15	2.5	≤15
DT153□4100A	15.0kΩ	4100	15	2.5	≤15
DT203□3950A	20.0kΩ	3950	15	2.5	≤15
DT203□4100A	20.0kΩ	4100	15	2.5	≤15
DT223□4200A	22.0kΩ	4200	15	2.5	≤15
DT333□3950A	33.0kΩ	3950	15	2.5	≤15
DT403□3928A	40.0kΩ	3928	15	2.5	≤15
DT473□3950A	47.0kΩ	3950	15	2.5	≤15
DT473□4100A	47.0kΩ	4100	15	2.5	≤15
DT503□3950A	50.0kΩ	3950	15	2.5	≤15
DT503□4100A	50.0kΩ	4100	15	2.5	≤15
DT104□3950A	100KΩ	3950	15	2.5	≤15
DT104□4100A	100kΩ	4100	15	2.5	≤15
DT104□4400A	100kΩ	4400	15	2.5	≤15

*Special part number could be customizing.

*The B-tolerance is ±1% when R--tolerance within ±3%, others are ±2%.