

NTC Thermistors AT52



- Radial leading wire resin coating type (AT52 series)
- Resistance range: 1 kΩ to 500 kΩ
- High accuracy in resistance and B value
- Excellent precision in testing
- Small size, fast response
- Excellent uniformity
- Stable long-term operation
- Operating temperature range: -40°C to +125°C

General Technical Data

Dimensions	$\varnothing 2.8 \times 4\text{mm}$ $\varnothing 2.6 \times 6\text{mm}$	
Operating temperature range	-40°C ... +125°C	
Dissipation Factor	≥3.0 mW/K	
Thermal time constant	≤12s	
Connection wires	$\varnothing 0.4 \times 20\text{mm}$ Customized length on request	

Specification AT58D series

	AT52	E	-	103	F	3950	F	A
Series: AT52								
Lead wire material: E = Tinned copper brass wire or Tinned steel wire D = Insulated tinned copper wires								
Resistance R_{25}: e.g. 103 = 10kΩ 503 = 50kΩ								
Tolerance : F = ±1% G = ±2% H = ±3% J = ±5%								
Beta-Value: 3950 = 3950K 3380 = 3380K								
Beta-Tolerance: F = ±1% G = ±2%								
Beta-Category: A = 25/50 B = 25/85								

Example: AT52E-103F3977FA

Available Specifications

Designation	Resistance @ 25°C (R ₂₅)		Beta-Value	
	Resistance (kΩ)	Tolerance (%)	B-Value (K)	B-Tolerance (%)
MF52□-102□3950□A	1	±1% ±2% ±3% ±5%	B _{25/50} = 3950	±0.75% ±1% ±2%
MF52□-202□3470□A	2		B _{25/50} = 3470	
MF52□-202□3550□A	2		B _{25/50} = 3550	
MF52□-202□3580□A	2		B _{25/50} = 3580	
MF52□-202□3950□A	2		B _{25/50} = 3950	
MF52□-212□3560(25/100)□A	2.1		B _{25/100} = 3560	
MF52□-2.252K□3935□A	2.252		B _{25/50} = 3935	
MF52□-2.78K□4170□A	2.78		B _{25/50} = 4170	
MF52□-302□4090□B	3		B _{25/85} = 4090	
MF52□-332□3950□A	3.3		B _{25/50} = 3950	
MF52□-472□3950□A	4.7		B _{25/50} = 3950	
MF52□-502□3470□A	5		B _{25/50} = 3470	
MF52□-502□3950□A	5		B _{25/50} = 3950	
MF52□-682□3977□B	6.8		B _{25/85} = 3977	
MF52□-682□4200□A	6.8		B _{25/50} = 4200	
MF52□-103□3380□A	10		B _{25/50} = 3380	
MF52□-103□3435□B	10		B _{25/85} = 3435	
MF52□-103□3470□A	10		B _{25/50} = 3470	
MF52□-103□3450□B	10		B _{25/85} = 3435	
MF52□-103□3950□A	10		B _{25/50} = 3950	
MF52□-103□3977□B	10		B _{25/85} = 3977	
MF52□-103□4100□A	10		B _{25/50} = 4100	
MF52□-153□3950□A	15		B _{25/50} = 3950	
MF52□-203□3950□A	20		B _{25/50} = 3950	
MF52□-233□4200□A	23		B _{25/50} = 4200	
MF52□-303□3950□A	30		B _{25/50} = 3950	
MF52□-40.27K□3979□B	40.27		B _{25/85} = 3979	
MF52□-473□3950□A	47		B _{25/50} = 3950	
MF52□-49.12K□3979□B	49.12		B _{25/85} = 3979	
MF52□-503□3950□A	50		B _{25/50} = 3950	
MF52□-503□3999□B	50		B _{25/85} = 3999	
MF52□-104□3950□A	100		B _{25/50} = 3950	
MF52□-104□3990□A	100		B _{25/50} = 3990	
MF52□-104□4200□A	100		B _{25/50} = 4200	
MF52□-154□4370□B	150		B _{25/85} = 4370	
MF52□-105□4730□A	1000		B _{25/50} = 4730	