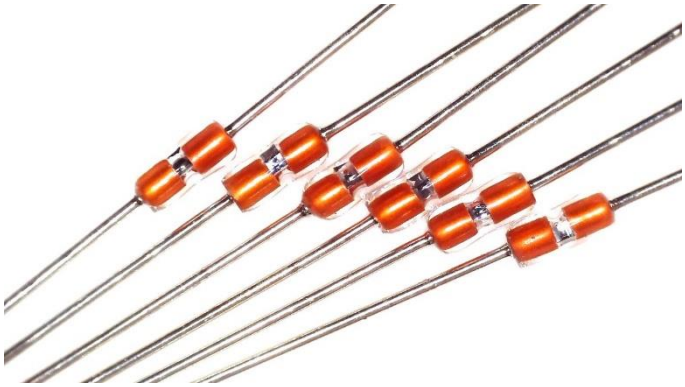
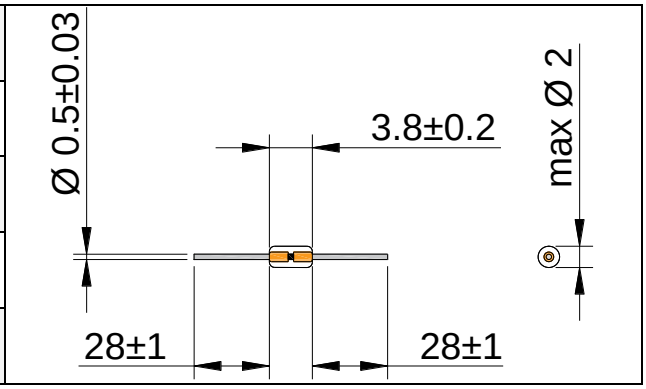
NTC Thermistoren AT58



- AT58 Serie in axial glass encapsulated design
- Good stability, high reliability
- Wide resistance range: 0.1 … 5000kΩ
- Tight tolerances for resistance and beta value
- Small dimensions
- Suitable for automated processes
- Wide measurement range from -40°C … +250°C
- Fast thermal conductivity
- Short response times

General Technical Data

Dimensions	DO-35 (DO-204-AH oder SOD27)
Operating temperature range	-40°C … +250°C
Dissipation Factor	≥2.0 mW/K
Thermal time constant	<12s
Connection wires	Tin-Plated Ferro-Nickel



Specification AT58 series

AT58 – 103 □ 3950 □ A

Series:
AT58

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 | C = 100/200

Example: **AT58 – 103 F 3950 F A**

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Specifications

Designation	Resistance @ 25°C (R_{25})		Beta-Value		Specific parameters
	Resistance (kΩ)	Tolerance (%)	B-Value (K)	B-Tolerance (%)	
AT58-202☐3839☐(5/25)	2		$B_{5/25}$ = 3839		R_5 = 5.06kΩ
AT58-202☐3771☐(-18/25)	2		$B_{-18/25}$ = 3771		R_{-18} = 16.9kΩ
AT58-502☐3470☐A	5		$B_{25/50}$ = 3470		
AT58-502☐3950☐A	5		$B_{25/50}$ = 3950		
AT58-5.369K☐3480☐B	5.369		$B_{25/85}$ = 3480		R_0 = 15kΩ
AT58-103☐3380☐A	10		$B_{25/50}$ = 3380		
AT58-103☐3435☐A	10		$B_{25/50}$ = 3435		
AT58-103☐3470☐A	10		$B_{25/50}$ = 3470		
AT58-103☐3600☐A	10		$B_{25/50}$ = 3600		
AT58-103☐3700☐A	10		$B_{25/50}$ = 3700		
AT58-103☐3950☐A	10		$B_{25/50}$ = 3950		
AT58-103☐3975☐B	10		$B_{25/85}$ = 3975		
AT58-103☐4100☐A	10		$B_{25/50}$ = 4100		
AT58-203☐3950☐A	20		$B_{25/50}$ = 3950		
AT58-303☐3950☐A	30		$B_{25/50}$ = 3950		
AT58-233☐4200☐A	23		$B_{25/50}$ = 4200		
AT58-40.27K☐3979☐B	40.27	±1%	$B_{25/85}$ = 3979		
AT58-473☐3950☐A	47	±2%	$B_{25/50}$ = 3950	±1%	
AT58-49.12K☐3970☐(0/100)	49.12	±3%	$B_{0/100}$ = 3970	±2%	R_{100} = 3.3kΩ
AT58-503☐3950☐A	50	±5%	$B_{25/50}$ = 3950		
AT58-503☐4050☐A	50		$B_{25/50}$ = 4050		
AT58-98.75☐4300☐C	98.75		$B_{100/200}$ = 4300		R_{200} = 0.55kΩ
AT58-98.63☐4300☐C	98.63		$B_{100/200}$ = 4300		R_{200} = 0.55kΩ
AT58-104☐3899☐A	100		$B_{25/50}$ = 3899		
AT58-104☐3930☐A	100		$B_{25/50}$ = 3930		
AT58-104☐3950☐A	100		$B_{25/50}$ = 3950		
AT58-104☐3990☐A	100		$B_{25/50}$ = 3990		
AT58-104☐4200☐A	100		$B_{25/50}$ = 4200		
AT58-204☐3899☐A	200		$B_{25/50}$ = 3899		R_{160} = 3.0kΩ
AT58-204☐4200☐A	200		$B_{25/50}$ = 4200		
AT58-204☐4260☐A	200		$B_{25/50}$ = 4260		
AT58-231.5K☐4537☐C	231.5		$B_{0/100}$ = 4537		R_{200} = 1.0kΩ
AT58-504☐4260☐A	500		$B_{25/50}$ = 4260		
AT58-504☐4050☐A	500		$B_{25/50}$ = 4050		
AT58-1.388M☐4500☐A	1388		$B_{25/50}$ = 4500		R_{200} = 4.0kΩ

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