

## NTC Thermistors AT58D



- AT58D Serie in radial glass encapsulated design
- Good stability, high reliability
- Wide resistance range: 2 ... 5000kΩ
- High precision of resistance and B value
- Glass encapsulated can operate in high temperature and moisture environment
- Small dimension, solid, convient for automatic installation
- Wide measurement range from -40°C ... +250°C
- Fast heat induction, high sensitivity

### General Technical Data

Dimensions	$\varnothing 1.3 \times 3.2\text{mm}$ $\varnothing 1.8 \times 3.4\text{mm}$	
Operating temperature range	-40°C ... +300°C	
Dissipation Factor	≥2.0 mW/K	
Thermal time constant	≤6.5s	
Connection wires	Dumet wire	

### Specification AT58D series

	<b>AT58D</b>	<b>-</b>	<b>98.63k</b>	<b>□</b>	<b>4300</b>	<b>□</b>	<b>C</b>	<b>(R<sub>200</sub>=0.55k±□%)</b>	<b>B</b>
<b>Series:</b> AT58D									
<b>Resistance R<sub>25</sub>:</b> e.g. 103 = 10kΩ   503 = 50kΩ									
<b>Tolerance :</b> F = ±1%   G = ±2%   H = ±3%   J = ±5% X= R25 tolerance for reference only									
<b>Beta-Value:</b> 3950 = 3950K   3380 = 3380K									
<b>Beta-Tolerance:</b> F = ±1%   G = ±2%   H = ±3%									
<b>Beta-Category:</b> A = 25/50   B = 25/85   C = 100/200   D = 0/100									
<b>Specific temperature and tolerance:</b> A = 25/50   B = 25/85   C = 100/200									
<b>The head size of encapsulation:</b> A = $\varnothing 1.3\text{mm}$   B = $\varnothing 1.8\text{mm}$									

**Example:** AT58D-98.63kX4300GC(R<sub>200</sub>=0.55k±2%)B

**Standard Type:** AT58D-103F3977FBA

Änderungen und Irrtümer vorbehalten

## Available Specifications

Designation	Resistance @ 25°C (R <sub>25</sub> )		Beta-Value		Specific parameters
	Resistance (kΩ)	Tolerance (%)	B-Value (K)	B-Tolerance (%)	
AT58D-2.186k□3420□B (R <sub>50</sub> =6k±□)□	2.186	±1% ±2% ±3% ±5%	B <sub>25/85</sub> = 3420	±1% ±2% ±3%	R <sub>0</sub> = 6kΩ
AT58D-8.53k□3450□D (R <sub>50</sub> =3.485k±□)□	8.53		B <sub>0/100</sub> = 3450		R <sub>50</sub> = 3.485kΩ
AT58D-103□3950□A□	10		B <sub>25/50</sub> = 3950		
AT58D-103□3435□B□	10		B <sub>25/85</sub> = 3435		
AT58D-103□3977□B□	10		B <sub>25/85</sub> = 3977		
AT58D-49.12k□3970□D□	49.12		B <sub>0/100</sub> = 3970		
AT58D-503□3950□A□	50		B <sub>25/50</sub> = 3950		
AT58D-503□4036□D□	50		B <sub>0/100</sub> = 4036		
AT58D-98.63k□4300□C (R <sub>200</sub> =0.55k±□)□	98.63		B <sub>100/200</sub> = 4300		R <sub>200</sub> = 0.55kΩ
AT58D-104□3950□A□	100		B <sub>25/50</sub> = 3950		
AT58D-104□4200□A□	100		B <sub>25/50</sub> = 4200		
AT58D-204□3899□A (R <sub>175</sub> =2.109k±□)□	200		B <sub>25/50</sub> = 3899		R <sub>175</sub> = 2.109kΩ
AT58D-231.5k□4537□C (R <sub>200</sub> =1k±□)□	231.5	B <sub>100/200</sub> = 4537	R <sub>200</sub> = 1kΩ		