

# NTC THERMISTORS: TYPE XHT

## THERMISTOR IN EPOXY ENCAPSULATED

### Applications:

1. Battery pack, battery charger
2. Temperature sensors
3. Temperature compensation in circuitry
4. Electronic thermometer
5. Air-conditioner



### Features:

1. Epoxy encapsulated
2. Fast response time
3. High reliability
4. Small Size

Shape dimension(Unit: mm)



$D_{max} \pm 0.3$	$L_{max}$	$L_{2min}$	$\Phi d \pm 0.05$	$F \pm 0.05$
2.0	3.2	25	0.35	2.0

### DATA

Operating temperature

-55 to +125°C  
 $\leq 7$  sec

Thermal time constant

(cooling in air)

Dissipation factor

$\geq 2$ mW/K

R25 $\Omega$	Material system	B 25/85 K	Code R25 $\pm 1\%$	Code R25 $\pm 2\%$	Code R25 $\pm 3\%$	Code R25 $\pm 5\%$	Code R25 $\pm 10\%$
2000	2	$3540 \pm 1\%$		XHTA202*2	XHTA202*3	XHTA202*5	XHTA202*10
5000	2	$3540 \pm 1\%$		XHTA502*2	XHTA502*3	XHTA502*5	XHTA502*10
10000	2	$3540 \pm 1\%$		XHTA103*2	XHTA103*3	XHTA103*5	XHTA103*10
10000	5A	$3730 \pm 2\%$			XHTC103*3	XHTC103*5	XHTC103*10
12000	5A	$3730 \pm 2\%$		XHTC123*2	XHTC123*3	XHTC123*5	XHTC123*10
10000	3	$3960 \pm 1\%$	XHTF103*1	XHTF103*2	XHTF103*3	XHTF103*5	XHTF103*10
20000	3	$3960 \pm 1\%$	XHTF203*1	XHTF203*2	XHTF203*3	XHTF203*5	XHTF203*10
30000	3	$3960 \pm 1\%$	XHTF303*1	XHTF303*2	XHTF303*3	XHTF303*5	XHTF303*10
50000	3	$3960 \pm 1\%$	XHTF503*1	XHTF503*2	XHTF503*3	XHTF503*5	XHTF503*10
100000	3	$3960 \pm 1\%$	XHTF104*1	XHTF104*2	XHTF104*3	XHTF104*5	XHTF104*10
200000	G	$4263 \pm 2\%$				XHTG204*5	XHTG204*10
500000	D	$4573 \pm 2\%$				XHTD504*5	XHTD504*10
1000000	D	$4573 \pm 2\%$				XHTD105*5	XHTD105*10

See separate tables for resistance - temperature

