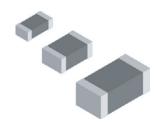


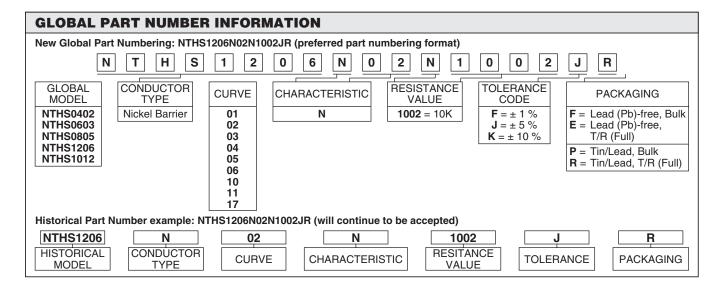
# **NTC Thermistors, Surface Mount Chip**



#### **FEATURES**

- · Solderable terminations
- Wraparound terminations
- Allows design flexibility for use with hybrid circuitry
- · High-density monolithic construction

NTHS PRODUCT R <sub>25</sub> °C VALUE RANGE BY CURVE AVAILABILITY								
CURVE	NTHS-0402	NTHS-0603	NTHS-0805 NTHS-1206		NTHS-1012	% TOLERANCE AVAILABILITY		
3	N/A	1000 - 2000	1000 - 2000	1000 - 2000	500 - 700	5 %, 10 %		
6	4.7K - 5.0K	2K - 3.5K	1.5K - 2.8K	1.5K - 3.5K	1000 - 2000	5 %, 10 %		
2	10K - 12K	6.8K - 12K	4.7K - 10K	4.7K - 10K	1.3K - 4.3K	3 %, 5 %, 10 %		
10	18K - 25K	10K - 20K	6K - 12K	10K - 20K	4.5K - 7K	3 %, 5 %, 10 %		
11	30K - 34K	22K - 32K	12K - 30K	20K - 33K	9K - 13K	3 %, 5 %, 10 %		
5	47K - 50K	32K - 50K	35K - 50K	30K - 44K	15K - 20K	3 %, 5 %, 10 %		
1	68K - 100K	32K - 100K	33K - 100K	32K - 70K	10K - 30K	1 % to 10 %		
17	250K	150K - 200K	100K - 200K	100K - 200K	30K - 93K	3 %, 5 %, 10 %		
4	350K	200K - 220K	200K - 220K	200K - 330K	93K - 140K	3 %, 5 %, 10 %		



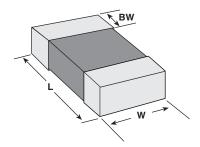
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## NTC Thermistors, Surface Mount Chip



### **DIMENSIONS** in inches [millimeters]



PART NUMBER	L	w	BW	
NTHS-0402	0.040 ± 0.004	0.022 ± 0.006	0.010 ± 0.004	
	[1.016 ± 0.102]	[0.5 ± 0.051]	[0.25 ± 0.102]	
NTHS-0603	0.063 ± 0.008	0.031 ± 0.008	0.010 ± 0.006	
	[1.6 ± 0.20]	[0.80 ± 0.20]	[0.25 ± 0.15]	
NTHS-0805	$0.079 \pm 0.008$ [2.00 ± 0.20]	0.049 ± 0.008 [1.25 ± 0.20]	0.012 ± 0.006 [0.30 ± 0.15]	
NTHS-1206	0.126 ± 0.008	0.063 ± 0.008	0.018 ± 0.008	
	[3.20 ± 0.20]	[1.60 ± 0.20]	[0.46 ± 0.20]	
NTHS-1012	$0.098 \pm 0.008$ [2.50 ± 0.20]	0.126 ± 0.008 [3.20 ± 0.20]	0.018 ± 0.008 [0.46 ± 0.20]	

TYPICAL PRODUCT RTC CHARACTERISTICS									
CURVE	1	2	3	4	5	6	10	11	17
NTC%/°C at + 25 °C	- 4.4	- 3.83	- 3.5	- 4.68	- 4.3	- 3.6	- 3.9	- 4.0	- 4.54
Beta + 25 °C/+ 75 °C	3964	3477	3181	4247	3890	3254	3500	3700	4064

Beta Tolerance is  $\pm$  3 %

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