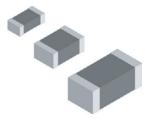


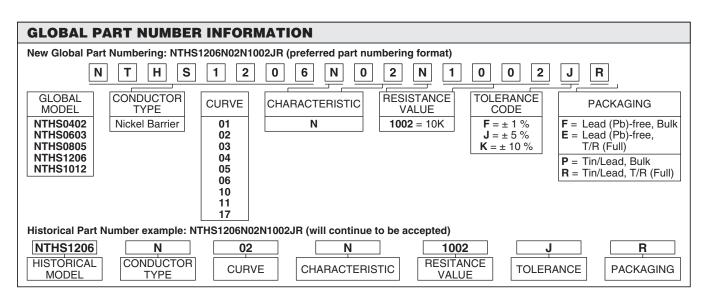
NTC Thermistors, Surface Mount Chip



FEATURES

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

NTHS PRO	NTHS PRODUCT R ₂₅ °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 %			

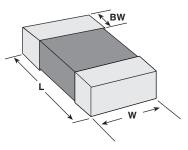


Document Number: 33008 Revision: 06-Oct-06 For technical questions, contact: thermistors1@vishay.com

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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 ± 0.008	0.049 ± 0.008	0.012 ± 0.006	
	[2.00 ± 0.20]	[1.25 ± 0.20]	[0.30 ± 0.15]	
NTHS-1206	0.126 ± 0.008 [3.20 ± 0.20]	0.063 ± 0.008 [1.60 ± 0.20]	$\begin{array}{c} 0.018 \pm 0.008 \\ [0.46 \pm 0.20] \end{array}$	
NTHS-1012	0.098 ± 0.008	0.126 ± 0.008	0.018 ± 0.008	
	[2.50 ± 0.20]	[3.20 ± 0.20]	[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 ± 3 %



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