



NTC SMD

GENERAL ORDER INFORMATION																							
GLOBAL PART NUMBER: NTC S 0805 E3 103 F M T																							
<table border="1" style="margin: auto;"> <tr> <td>N</td><td>T</td><td>C</td><td>S</td><td>0</td><td>8</td><td>0</td><td>5</td><td>E</td><td>3</td><td>1</td><td>0</td><td>3</td><td>F</td><td>M</td><td>T</td> </tr> </table>								N	T	C	S	0	8	0	5	E	3	1	0	3	F	M	T
N	T	C	S	0	8	0	5	E	3	1	0	3	F	M	T								
PRODUCT FAMILY	EXECUTION	SIZE	RoHS COMPLIANCE TERMINATION TYPE	R_{25} VALUE	TOLERANCE ON R_{25}	$B_{25/85}$ VALUE	PACKAGING																
NTC	S = SMD	0805 0603 0402	E3 = NiSn E4 = AgPd	103 = $10 \times 10^3 \Omega$ 102 = $10 \times 10^2 \Omega$ 101 = $10 \times 10^1 \Omega$ 109 = $10 \times 10^0 \Omega$ 108 = $10 \times 10^{-1} \Omega$ see spec. for values	F = 1 % G = 2 % H = 3 % J = 5 %	L (low): $3000 \leq B_{25/85} < 3500$ M (medium): $3500 \leq B_{25/85} < 3750$ H (high): $3750 \leq B_{25/85} < 4000$ X (very high): $4000 \leq B_{25/85} < 4250$	T = Paper tape																
OLD PRODUCT DESCRIPTION (12NC): 2381 615 5 3 103																							
2381		615		5		3		103															
RoHS COMPLIANCE		EXECUTION		SIZE AND TYPE		TOLERANCE ON R_{25}		R_{25} VALUE															
2381 = Yes 2322 = No		615 = SMD NTC		6 = Mix size NiSn 5 = 0805 NiSn 4 = 0402 NiSn 3 = 0603 NiSn 2 = 0603 AgPd 1 = 0805 AgPd		5 = 1 % 4 = 2 % 6 = 3 % 3 = 5 %		103 = $10 \times 10^3 \Omega$ 102 = $10 \times 10^2 \Omega$ 101 = $10 \times 10^1 \Omega$ 109 = $10 \times 10^0 \Omega$ 108 = $10 \times 10^{-1} \Omega$ see spec. for values															

PRODUCT VALUE RANGE BY CASE SIZE-VISHAY BCC NTC S SERIES								
0402 SIZE			0603 SIZE			0805 SIZE		
R_{25} (k Ω)	$B_{25/85}$ (K)	ORDERING PART NUMBER	R_{25} (k Ω)	$B_{25/85}$ (K)	ORDERING PART NUMBER	R_{25} (k Ω)	$B_{25/85}$ (K)	ORDERING PART NUMBER
4.7	3595 ± 3 %	NTCS0402E3472*MT	2	3420 ± 1 %	NTCS0603E3202*LT	2.2	3600 ± 1 %	NTCS0805E3222*MT
10	3490 ± 3 %	NTCS0402E3103*LT	2.2	3520 ± 1 %	NTCS0603E3222*MT	4.7	3500 ± 1 %	NTCS0805E3472*MT
10	3950 ± 3 %	NTCS0402E3103*HT	2.7	3600 ± 1 %	NTCS0603E3272*MT	10	3430 ± 3 %	NTCS0805E3103*LT
15	3600 ± 3 %	NTCS0402E3153*MT	4.7	3830 ± 1 %	NTCS0603E3472*HT	10	3570 ± 3 %	NTCS0805E3103*MT
22	3590 ± 3 %	NTCS0402E3223*MT	10	3430 ± 3 %	NTCS0603E3103*LT	10	3940 ± 1 %	NTCS0805E3103*HT
33	3670 ± 3 %	NTCS0402E3333*MT	10	3610 ± 1 %	NTCS0603E3103*MT	15	3700 ± 1 %	NTCS0805E3153*MT
47	4075 ± 3 %	NTCS0402E3473*XT	10	3960 ± 1 %	NTCS0603E3103*HT	22	3800 ± 1 %	NTCS0805E3223*HT
68	3910 ± 3 %	NTCS0402E3683*HT	15	3600 ± 1 %	NTCS0603E3153*MT	33	3920 ± 1 %	NTCS0805E3333*HT
100	3950 ± 3 %	NTCS0402E3104*HT	22	3730 ± 1 %	NTCS0603E3223*MT	47	3960 ± 1 %	NTCS0805E3473*HT
			33	3860 ± 1 %	NTCS0603E3333*HT	68	4100 ± 1 %	NTCS0805E3683*XT
			47	3960 ± 1 %	NTCS0603E3473*HT	100	3590 ± 1 %	NTCS0805E3104*MT
			68	3985 ± 1 %	NTCS0603E3683*HT	100	4100 ± 1 %	NTCS0805E3104*XT
			100	4100 ± 1 %	NTCS0603E3104*XT	330	3930 ± 1 %	NTCS0805E3334*HT
						470	4025 ± 1 %	NTCS0805E3474*XT
						680	4125 ± 1 %	NTCS0805E3684*XT

Note

- Replace * by F, G, H, J for respectively tolerances of 1 %, 2 %, 3 %, or 5 %