



NTC Assemblies

GENERAL ORDER INFORMATION							
Part Number: NTC A SCW E3 103 J							
N T C A S C W E 3 1 0 3 J							
PRODUCT FAMILY	EXECUTION	TYPE	RoHS-COMPLIANCE TERMINATION TYPE	R_{25} VALUE	TOLERANCE ON R_{25}	OPTIONAL LEAD LENGTH AND B VALUE	RoHS-COMPLIANCE PRODUCT
NTC	A = assemblies	IMM = immersion type CAP = plastic cap LUG = lug, ring tongue (refer to table Lug Size and Cable Type) SCW = screw PIP = pipe EPX = epoxy KIT = kit, grouping of sensors SRF = surface sensors SPE = special FLEX = on flex TRA = trapezoid shaped PIT = tube	E2 = Sn alloy E3 = pure Sn E4 = silver	103 = $10 \times 10^3 \Omega$ 102 = $10 \times 10^2 \Omega$ 474 = $47 \times 10^4 \Omega$ See spec. for values. Cxxxxx = customized	F = 1 % G = 2 % H = 3 % J = 5 %	'abc' = blank: standard length and standard B 'abc' = L: low B value 'abc' = ab: bare length, c: length multiplier and B value c = 0: $\times 10^0$ and standard B c = 1: $\times 10^1$ and standard B c = 2: $\times 10^2$ and standard B c = 4: $\times 10^0$ and low B c = 5: $\times 10^1$ and low B c = 6: $\times 10^2$ and low B Examples: 520 = $52 \times 10^0 = 52 \text{ mm}$ and 3984K 251 = $25 \times 10^1 = 250 \text{ mm}$ and 3984K 155 = $15 \times 10^1 = 150 \text{ mm}$ and 3435K 106 = $10 \times 10^2 = 1000 \text{ mm}$ and 3435K	Blank = RoHS-compliant (with exemption) A = RoHS-compliant lead (Pb)-free

EXAMPLES:

- NTC A SCW E3 103 J NTC assemblies screw type e3 termination 10 k Ω 5 %
- NTC A CAP E3 C90066 NTC assemblies plastic cap type e3 customized
- NTC A PIP E3 103 F 255 A NTC assemblies pipe type e3 termination 10 k Ω 1 % low B 250 mm cable length RoHS (lead)-Pb-free
- NTC A LUG E4 C91999 A NTC assemblies lug type E4 customized lead (Pb)-free



GENERAL ORDER INFORMATION

Part Number: NTC A LUG E3 C90169

N	T	C	A	L	U	G	E	3	C	9	0	1	6	9	
PRODUCT FAMILY	EXECUTION	TYPE	TERMINATION	CUSTOMIZED	RoHS-COMPLIANCE PRODUCT										
NTC	A = assemblies	LUG = lug ring tongue terminal	e2 = Sn alloy e3 = Sn e4 = pure metal other than Sn	Cxxxxx	Blank = RoHS-compliant (with exemption) A = RoHS-compliant lead (Pb)-free										

Part Number: NTC A LUG03A 103 H 151

N	T	C	A	L	U	G	0	3	A	1	0	3	H	1	5	1	
PRODUCT FAMILY	EXECUTION	LUG SIZE AND CABLE TYPE	R_{25} VALUE	TOLERANCE ON R_{25}	OPTIONAL LEAD LENGTH AND B VALUE	RoHS-COMPLIANCE PRODUCT											
NTC	A = assemblies	See table Lug Size and Cable Type	103 = $10 \times 10^3 \Omega$ 102 = $10 \times 10^2 \Omega$ 101 = $10 \times 10^1 \Omega$ 109 = $10 \times 10^0 \Omega$ See spec. for values. Cxxxxx = customized	F = $\pm 1\%$ G = $\pm 2\%$ H = $\pm 3\%$ J = $\pm 5\%$	'abc' = blank: standard length and standard B 'abc' = L: low B value 'abc' = ab: bare length, c: length multiplier and B value c = 0: $\times 10^0$ and standard B c = 1: $\times 10^1$ and standard B c = 2: $\times 10^2$ and standard B c = 4: $\times 10^0$ and low B c = 5: $\times 10^1$ and low B c = 6: $\times 10^2$ and low B Examples: 520 = $52 \times 10^0 =$ 52 mm and 3984K 251 = $25 \times 10^1 =$ 250 mm and 3984K 155 = $15 \times 10^1 =$ 150 mm and 3435K 106 = $10 \times 10^2 =$ 1000 mm and 3435K	Blank = RoHS-compliant (with exemption) A = RoHS-compliant lead (Pb)-free											



LUG SIZE AND CABLE TYPE									
TYPE	STUD SCREW SIZE (METRIC)	STUD SCREW SIZE (INCH)	HOLE Ø (mm)	WIDTH (mm)	LENGTH (mm)	APPLICABLE WIRE SIZE	CONDUCTOR SIZE ⁽¹⁾	INSULATION TYPE	CABLE INSULATION Ø (mm)
LUG01A	M3.5	5 to 6	3.70	7.20	15.70	awg#30 to awg#24	awgt#24 SPC	PTFE	1.12
LUG01T	M3 to M3.5	3 to 6	3.70	7.20	15.70	awg#30 to awg#26	awgt#26 SPC	ETFE	0.93
LUG54A	M5	10	5.30	9.50	19.80	awg#30 to awg#24	awgt#24 SPC	PTFE	1.12
LUG85A	M6	14 to 1/4"	6.40	13.2	22.4	awg#30 to awg#24	awgt#24 SPC	PTFE	1.12
LUG91A	M4	8	4.30	7.20	15.70	awg#30 to awg#24	awgt#24 SPC	PTFE	1.12
LUG02A	M3.5	5 to 6	3.70	8.50	16.80	awg#30 to awg#26	awgt#30 SPNi	PEEK	0.56
LUG03A MINI LUG	M2	1 to 2	2.20	5.50	11.50	awg#32	awgt#32 SPNi	ETFE	0.35
LUG39A MINI LUG	M3	3 to 4	3.20	5.50	11.50	awg#32	awgt#32 SPNi	ETFE	0.35

Note

⁽¹⁾ AWG = American wire gage, TPC = tin plated copper, SPC = tin plated copper, SPNi = silver plated nickel

EXAMPLES:

- NTC A LUG03A 103 H NTC Mini LUG 10K 3 % 70 mm (standard length)
- NTC A LUG03A 103 H 201 NTC Mini LUG 10K 3 % 200 mm and standard $B_{25/85} = 3984K$
- NTC A LUG03A 103 H 255A NTC Mini LUG 10K 3 % 250 mm low $B_{25/85} = 3435K$ and RoHS-compliant lead (Pb)-free
- NTC A LUG E3 C90295 NTC LUG 100 % Sn termination customized