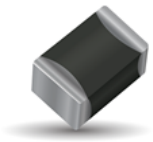
NC12J00332JBF

(0805, 3300 Ohm ±5%, 3480K, AgPdPt)

NTC SMD Thermistor with AgPdPt termination

for Automotive, Industrial and General applications

To view data online visit:
SpiCAT



KYOCERA AVX Chip NTC Thermistors are high quality devices developed especially for surface mounting applications. They are widely used for temperature compensation, but can also achieve temperature control of printed circuits in a wide range of applications, including automotive, industrial and general purpose. AgPdPt termination termination for conductive adhesive assembly (not suitable for lead free soldering - use NB series).

Characteristics

Case Size	0805
Operating temperature	-55°C to +150°C
Resistance	3300 Ohm
Tolerance on Resistance (25°C)	±5%
B 25/85	3480K±3%
Maximum dissipation at 25°C	0.12 W
Thermal dissipation factor	2 mW/°C
Thermal time constant	5 s
Termination	AgPdPt (for conductive adhesive)

RoHS COMPLIANT

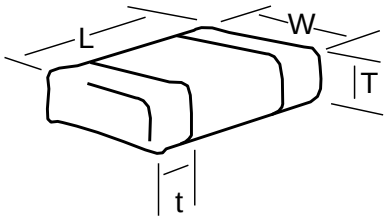
MSL 1

AEC-Q200 based qualification

Dimensions

mm (inches)

Size (EIA)	Length (L)	Width (W)	Thickness (T)	Terminal (t)
0805	2.0±0.3	1.25±0.2	1.3 max	0.2 min
	(0.079±0.012)	(0.049±0.008)	(0.051) max	(0.008) min



How to Order (Packaging options)

NC	12	J0	0332	J	BF
Type	**Size**	**Material Code**	**Resistance (Ohm)**	**Tolerance**	**Suffix: Packaging**
NC = AgPdPt for conductive adhesive	12 = 0805	See Datasheet	2 Sig. Digits + Number of Zeros	H = ±3%* J = ±5% K = ±10% M = ±20%	BB = Cardboard tape (180mm reel, 4,000 pcs/reel) BF = Cardboard tape (180mm reel, 2,000 pcs/reel) BD = Cardboard tape (330mm reel, 10,000 pcs/reel) -- = Bulk (5000 pcs/bag)

* For selected PNs

Material Table

J0 (B25/85 = 3480K±3%)

B25/50	B25/75	B25/85	B25/100	B Tol
3443 K	3471 K	3480 K	3492 K	±3%

T (°C)	R(T) / R25	TF (%)	α (%/°C)	R Min (Ω)	R Nom (Ω)	R Max (Ω)
-55	51.75	20.47	-6.23	127,273	170,779	214,285
-50	37.98	17.69	-6.03	96,892	125,328	153,765
-45	28.15	15.21	-5.84	74,126	92,900	111,675
-40	21.07	13.00	-5.65	57,011	69,528	82,046
-35	15.91	11.04	-5.48	44,092	52,518	60,944
-30	12.13	9.31	-5.31	34,296	40,022	45,748
-25	9.321	7.77	-5.15	26,831	30,759	34,687
-20	7.222	6.41	-4.99	21,113	23,834	26,554
-15	5.640	5.22	-4.84	16,710	18,613	20,515
-10	4.438	4.18	-4.69	13,301	14,645	15,989
-5	3.517	3.27	-4.55	10,648	11,607	12,567
0	2.807	2.48	-4.42	8,570.9	9,263.7	9,956.4
5	2.255	1.80	-4.29	6,936.9	7,442.9	7,949.0
10	1.824	1.22	-4.17	5,644.2	6,018.7	6,393.1
15	1.484	0.73	-4.05	4,616.4	4,897.2	5,178.0
20	1.215	0.33	-3.93	3,794.9	4,008.5	4,222.1
25	1.000	0.00	-3.82	3,135.0	3,300.0	3,465.0
30	0.8278	0.32	-3.71	2,586.5	2,731.8	2,877.0
35	0.6889	0.68	-3.61	2,144.4	2,273.5	2,402.6
40	0.5763	1.08	-3.51	1,786.2	1,901.8	2,017.4
45	0.4845	1.51	-3.41	1,494.6	1,598.8	1,702.9
50	0.4092	1.98	-3.32	1,256.2	1,350.4	1,444.7
55	0.3472	2.47	-3.23	1,060.3	1,145.9	1,231.6
60	0.2960	2.99	-3.15	898.6	976.7	1,054.8
65	0.2533	3.53	-3.06	764.7	836.0	907.4
70	0.2177	4.09	-2.98	653.2	718.6	783.9
75	0.1879	4.67	-2.90	560.1	620.1	680.0
80	0.1628	5.26	-2.83	482.0	537.1	592.3
85	0.1415	5.87	-2.76	416.3	467.0	517.8
90	0.1235	6.48	-2.69	360.7	407.5	454.3
95	0.1081	7.11	-2.62	313.6	356.8	400.0
100	0.0950	7.74	-2.55	273.5	313.5	353.4
105	0.0837	8.38	-2.49	239.3	276.3	313.3
110	0.0740	9.03	-2.43	210.0	244.3	278.5
115	0.0656	9.68	-2.37	184.8	216.6	248.4
120	0.0584	10.33	-2.31	163.1	192.6	222.2
125	0.0521	10.99	-2.26	144.3	171.8	199.3
130	0.0466	11.65	-2.21	128.1	153.6	179.2
135	0.0417	12.31	-2.15	113.9	137.8	161.6
140	0.0375	12.97	-2.10	101.6	123.8	146.1
145	0.0338	13.63	-2.06	90.8	111.6	132.4
150	0.0305	14.29	-2.01	81.4	100.8	120.3