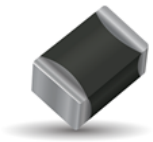
NC20R00564MBA

(1206, 560 kOhm ±20%, 4400K, 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	1206
Operating temperature	-55°C to +150°C
Resistance	560 kOhm
Tolerance on Resistance (25°C)	±20%
B 25/85	4400K±3%
Maximum dissipation at 25°C	0.24 W
Thermal dissipation factor	4 mW/°C
Thermal time constant	7 s
Termination	AgPdPt (for conductive adhesive)

RoHS COMPLIANT

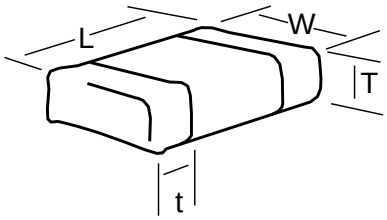
MSL 1

AEC-Q200 based qualification

Dimensions

mm (inches)

Size (EIA)	Length (L)	Width (W)	Thickness (T)	Terminal (t)
1206	3.2±0.4	1.6±0.25	1.5 max	0.2 min
	(0.126±0.016)	(0.063±0.01)	(0.059) max	(0.008) min



How to Order (Packaging options)

NC	20	R0	0564	M	BA
Type	**Size**	**Material Code**	**Resistance (Ohm)**	**Tolerance**	**Suffix: Packaging**
NC = AgPdPt for conductive adhesive	20 = 1206	See Datasheet	2 Sig. Digits + Number of Zeros	H = ±3%* J = ±5% K = ±10% M = ±20% * For selected PNs	BA = Plastic tape (180mm reel, 3,000 pcs/reel) BE = Plastic tape (180mm reel, 1,500 pcs/reel) BC = Plastic tape (330mm reel, 10,000 pcs/reel) -- = Bulk (5000 pcs/bag)

NOTICE: Specifications are subject to change without notice. All statements, information and data given herein are beleived to be accurate and reliable, but are presented without guarantee or responsibility of any kind, expressed or implied. Specifications are typical and may not apply to all applications.

Material Table

R0 (B25/85 = 4400K±3%)

B25/50	B25/75	B25/85	B25/100	B Tol
4326 K	4382 K	4400 K	4423 K	±3%

T (°C)	R(T) / R25	TF (%)	α (%/°C)	R Min (Ω)	R Nom (Ω)	R Max (Ω)
-55	113.9	25.89	-7.13	34,508,380	63,771,615	93,034,850
-50	79.71	22.37	-6.95	25,725,230	44,635,349	63,545,468
-45	56.30	19.23	-6.77	19,161,121	31,530,645	43,900,169
-40	40.13	16.44	-6.60	14,283,791	22,473,363	30,662,936
-35	28.85	13.96	-6.44	10,669,673	16,157,382	21,645,090
-30	20.92	11.77	-6.28	7,993,266	11,714,790	15,436,313
-25	15.29	9.82	-6.12	6,009,554	8,563,617	11,117,681
-20	11.27	8.11	-5.97	4,536,394	6,310,196	8,083,997
-15	8.368	6.60	-5.82	3,439,391	4,685,965	5,932,539
-10	6.261	5.28	-5.68	2,619,784	3,506,208	4,392,632
-5	4.719	4.13	-5.53	2,005,126	2,642,856	3,280,586
0	3.583	3.13	-5.40	1,542,288	2,006,432	2,470,575
5	2.739	2.27	-5.26	1,192,265	1,533,948	1,875,631
10	2.108	1.54	-5.13	926,369	1,180,741	1,435,113
15	1.634	0.93	-5.00	723,448	914,916	1,106,383
20	1.274	0.42	-4.88	567,861	713,537	859,212
25	1.000	0.00	-4.75	448,000	560,000	672,000
30	0.7897	0.40	-4.64	351,992	442,207	532,422
35	0.6273	0.86	-4.52	278,017	351,286	424,555
40	0.5012	1.36	-4.41	220,724	280,689	340,653
45	0.4028	1.91	-4.30	176,127	225,554	274,982
50	0.3255	2.50	-4.19	141,240	182,253	223,266
55	0.2644	3.13	-4.09	113,815	148,058	182,301
60	0.2159	3.78	-3.98	92,152	120,909	149,666
65	0.1772	4.47	-3.89	74,960	99,242	123,524
70	0.1462	5.18	-3.79	61,253	81,862	102,470
75	0.1212	5.90	-3.70	50,274	67,851	85,427
80	0.1009	6.65	-3.60	41,442	56,501	71,560
85	0.0844	7.42	-3.52	34,306	47,265	60,223
90	0.0709	8.20	-3.43	28,516	39,713	50,910
95	0.0598	8.99	-3.35	23,798	33,511	43,225
100	0.0507	9.79	-3.26	19,938	28,397	36,855
105	0.0431	10.60	-3.19	16,768	24,160	31,552
110	0.0369	11.41	-3.11	14,154	20,636	27,119
115	0.0316	12.24	-3.03	11,990	17,694	23,398
120	0.0272	13.06	-2.96	10,193	15,228	20,263
125	0.0235	13.89	-2.89	8,694.7	13,153	17,611
130	0.0204	14.73	-2.82	7,441.1	11,400	15,359
135	0.0177	15.56	-2.76	6,388.7	9,914.7	13,441
140	0.0154	16.40	-2.69	5,502.3	8,651.2	11,800
145	0.0135	17.23	-2.63	4,753.2	7,573.0	10,393
150	0.0119	18.07	-2.57	4,118.2	6,649.7	9,181.2