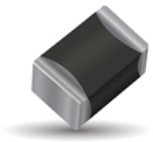
NC21J00472MBB

(0603, 4700 Ohm ±20%, 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	0603
Operating temperature	-55°C to +150°C
Resistance	4700 Ohm
Tolerance on Resistance (25°C)	±20%
B 25/85	3480K±3%
Maximum dissipation at 25°C	0.07 W
Thermal dissipation factor	1 mW/°C
Thermal time constant	4 s
Termination	AgPdPt (for conductive adhesive)

RoHS COMPLIANT

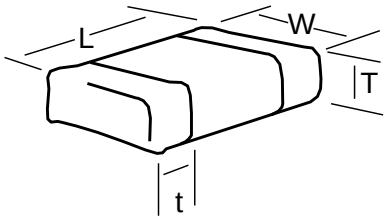
MSL 1

AEC-Q200 based qualification

Dimensions

mm (inches)

Size (EIA)	Length (L)	Width (W)	Thickness (T)	Terminal (t)
0603	1.6±0.2	0.8±0.2	1.0 max	0.2 min
	(0.063±0.008)	(0.031±0.008)	(0.039) max	(0.008) min



How to Order (Packaging options)

NC	21	J0	0472	M	BB
Type	**Size**	**Material Code**	**Resistance (Ohm)**	**Tolerance**	**Suffix: Packaging**
NC = AgPdPt for conductive adhesive	21 = 0603	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	144,783	243,231	341,678
-50	37.98	17.69	-6.03	111,223	178,498	245,773
-45	28.15	15.21	-5.84	85,726	132,313	178,899
-40	21.07	13.00	-5.65	66,343	99,025	131,707
-35	15.91	11.04	-5.48	51,578	74,798	98,019
-30	12.13	9.31	-5.31	40,295	57,001	73,706
-25	9.321	7.77	-5.15	31,642	43,808	55,974
-20	7.222	6.41	-4.99	24,978	33,945	42,911
-15	5.640	5.22	-4.84	19,823	26,509	33,195
-10	4.438	4.18	-4.69	15,815	20,858	25,901
-5	3.517	3.27	-4.55	12,685	16,532	20,378
0	2.807	2.48	-4.42	10,228	13,194	16,159
5	2.255	1.80	-4.29	8,290	10,601	12,911
10	1.824	1.22	-4.17	6,753	8,572	10,391
15	1.484	0.73	-4.05	5,529	6,975	8,421
20	1.215	0.33	-3.93	4,548	5,709	6,870
25	1.000	0.00	-3.82	3,760	4,700	5,640
30	0.8278	0.32	-3.71	3,100	3,891	4,681
35	0.6889	0.68	-3.61	2,568	3,238	3,908
40	0.5763	1.08	-3.51	2,138	2,709	3,280
45	0.4845	1.51	-3.41	1,787	2,277	2,767
50	0.4092	1.98	-3.32	1,501	1,923	2,346
55	0.3472	2.47	-3.23	1,265	1,632	1,999
60	0.2960	2.99	-3.15	1,071	1,391	1,711
65	0.2533	3.53	-3.06	910.5	1,191	1,471
70	0.2177	4.09	-2.98	776.8	1,023	1,270
75	0.1879	4.67	-2.90	665.3	883.1	1,101
80	0.1628	5.26	-2.83	571.8	765.0	958.3
85	0.1415	5.87	-2.76	493.1	665.2	837.2
90	0.1235	6.48	-2.69	426.7	580.4	734.1
95	0.1081	7.11	-2.62	370.4	508.2	646.0
100	0.0950	7.74	-2.55	322.6	446.5	570.3
105	0.0837	8.38	-2.49	281.8	393.5	505.2
110	0.0740	9.03	-2.43	246.9	347.9	448.9
115	0.0656	9.68	-2.37	216.9	308.5	400.1
120	0.0584	10.33	-2.31	191.1	274.4	357.6
125	0.0521	10.99	-2.26	168.9	244.7	320.5
130	0.0466	11.65	-2.21	149.6	218.8	288.1
135	0.0417	12.31	-2.15	132.8	196.2	259.6
140	0.0375	12.97	-2.10	118.2	176.4	234.5
145	0.0338	13.63	-2.06	105.5	158.9	212.4
150	0.0305	14.29	-2.01	94.34	143.6	192.8