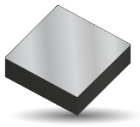
NK20JA0202G--

(0707, 2000 Ohm ±2%, 3564K, Cu wire/100% Sn)

NTC Accurate Thermistor for Wirebonding

for Automotive, Industrial and General applications



KYOCERA AVX Accurate NTC Thermistors are high quality devices with tight tolerance widely used for accurate temperature measurement, compensation,regulation, liquid level or flow detection in wide range of applications, including automotive, industrial and general purpose. Parts have Ag top and bottom surface, suitable for wirebonding.

Characteristics

Chip Size	0707 typ
Operating temperature	-55°C to +150°C
Resistance	2000 Ohm
Tolerance on Resistance (25°C)	±2%
B 25/85	3564K±1%
Maximum dissipation at 25°C	0.16 W
Thermal dissipation factor	2 mW/°C
Thermal time constant	6 s
Top and Bottom Surface	Ag

RoHS COMPLIANT

MSL 1

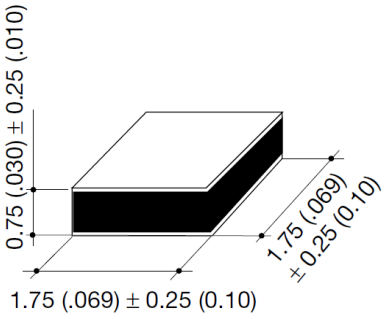
AEC-Q200 based qualification

Dimensions

mm (inches)

Length	Width	Thickness
1.75±0.25	1.75±0.25	0.75±0.25
(0.069±0.01)	(0.069±0.01)	(.030±.010)

Dimensions are for reference only, for actual dimensions on specific PN, please contact KYOCERA AVX



How to Order (Packaging options)

NK	20	JA	0202	G	--
Type	**Size**	**Material Code**	**Resistance (Ohm)**	**Tolerance**	**Suffix: Packaging**
NK = Chip with Ag top and bottom surface (for wirebonding)	20 = 0707 (typ)	See Datasheet	2 Sig. Digits + Number of Zeros	F = ±1% G = ±2% H = ±3% J = ±5%	-- = Bulk (1000 pcs/bag)

Material Table

JA (B25/85 = 3564K±1%)

B25/50	B25/75	B25/85	B25/100	B Tol
3523 K	3554 K	3564 K	3579 K	±1%

T (°C)	R(T) / R25	TF (%)	α (%/°C)	R Min (Ω)	R Nom (Ω)	R Max (Ω)
-55	57.54	4.48	-6.46	107,622	115,079	122,537
-50	41.78	4.10	-6.24	78,466	83,562	88,659
-45	30.67	3.74	-6.03	57,823	61,341	64,859
-40	22.75	3.39	-5.83	43,047	45,498	47,950
-35	17.04	3.06	-5.64	32,359	34,083	35,806
-30	12.89	2.74	-5.46	24,552	25,774	26,996
-25	9.833	2.44	-5.29	18,794	19,667	20,540
-20	7.569	2.15	-5.12	14,509	15,137	15,765
-15	5.873	1.87	-4.96	11,292	11,747	12,202
-10	4.594	1.60	-4.81	8,857	9,188	9,519
-5	3.621	1.35	-4.67	6,999	7,242	7,484
0	2.874	1.10	-4.53	5,570	5,749	5,927
5	2.298	0.86	-4.39	4,464	4,595	4,727
10	1.849	0.64	-4.26	3,600	3,698	3,795
15	1.497	0.42	-4.14	2,922	2,995	3,067
20	1.220	0.20	-4.02	2,386	2,440	2,494
25	1.000	0.00	-3.91	1,960	2,000	2,040
30	0.8243	0.20	-3.80	1,612	1,649	1,685
35	0.6831	0.39	-3.69	1,334	1,366	1,399
40	0.5691	0.57	-3.59	1,109	1,138	1,167
45	0.4765	0.75	-3.49	926.7	952.9	979.2
50	0.4009	0.93	-3.40	778.2	801.7	825.2
55	0.3388	1.10	-3.31	656.6	677.6	698.6
60	0.2877	1.26	-3.22	556.5	575.3	594.1
65	0.2453	1.42	-3.14	473.8	490.6	507.4
70	0.2100	1.58	-3.06	405.0	420.0	435.1
75	0.1805	1.73	-2.98	347.6	361.1	374.6
80	0.1558	1.88	-2.90	299.5	311.6	323.7
85	0.1350	2.02	-2.83	259.0	269.9	280.8
90	0.1173	2.16	-2.76	224.9	234.6	244.4
95	0.1023	2.30	-2.69	195.9	204.7	213.5
100	0.0896	2.43	-2.63	171.2	179.1	187.1
105	0.0786	2.56	-2.57	150.1	157.3	164.5
110	0.0693	2.69	-2.51	132.0	138.5	145.0
115	0.0612	2.81	-2.45	116.5	122.4	128.3
120	0.0542	2.93	-2.39	103.1	108.4	113.8
125	0.0482	3.05	-2.33	91.49	96.35	101.2
130	0.0429	3.16	-2.28	81.41	85.85	90.28
135	0.0383	3.27	-2.23	72.64	76.69	80.73
140	0.0343	3.38	-2.18	64.98	68.68	72.38
145	0.0308	3.49	-2.13	58.28	61.66	65.05
150	0.0277	3.59	-2.08	52.39	55.49	58.59