



NTC THERMISTORS: TYPE MT, HT

HIGH TEMPERATURE SENSOR

PROVISIONAL DATA

DESCRIPTION:

NTC bead thermistor encapsulated in Inconel or stainless steel housing with flexible lead wires

FEATURES:

- Reliable operation up to 1100°C
- High sensitivity to temperature change
- Corrosion resistant housing
- Probe configurations designed for automotive and appliance applications
- Typical applications include automotive engines and exhaust, domestic ovens and industrial process control

DATA:

Continuous operating temperature
 -40°C to +750°C

Maximum operating temperature
 1000°C for 50 hrs
 with 1 hr excursion to 1100°C

Tolerance ±5°C at 300°C

Time constant 12s nominal

OPTIONS:

- Other mechanical configurations
- Alternative temperature tolerances to match customer requirements

AUTOMOTIVE



APPLIANCES



NEW PRODUCT CAPABILITY

Data sheet D-MT-A

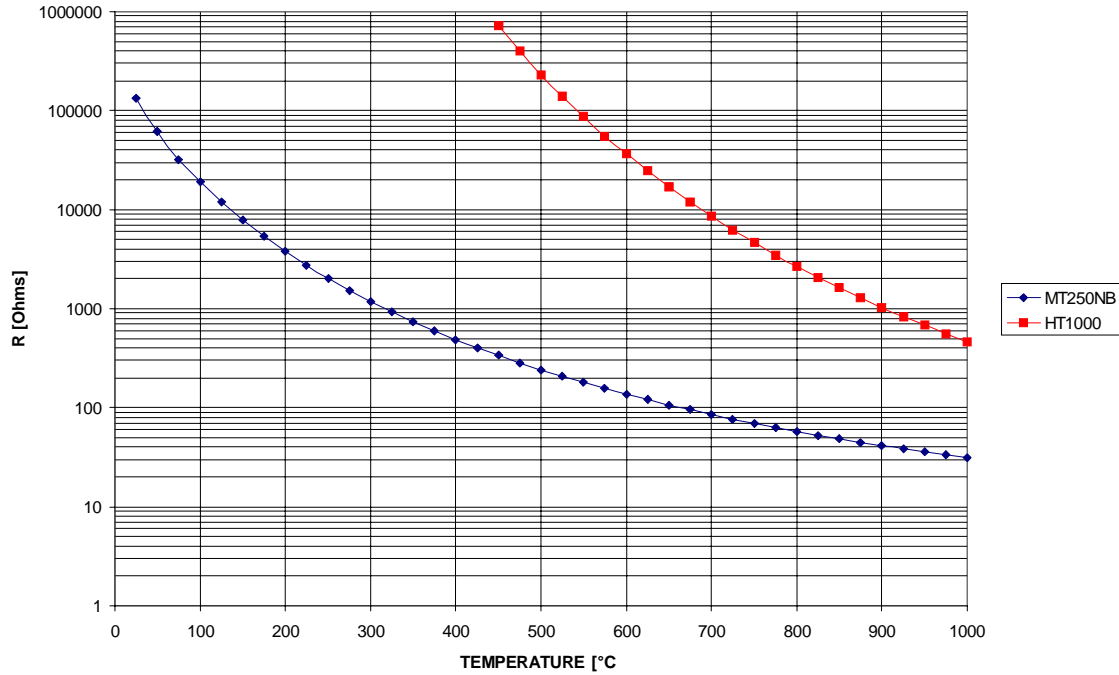


NTC THERMISTORS: TYPE MT, HT

HIGH TEMPERATURE SENSOR

PROVISIONAL DATA

Resistance-temperature Characteristics



Temperature C	Nominal Resistance Ω		Temperature C	Nominal Resistance Ω	
	MT250NB	HT1000		MT250NB	HT1000
25	134559	8.957E+20	525	207	139187
50	61002	7.613E+17	550	179	86572
75	32329	4.827E+15	575	156	55451
100	18921	1.074E+14	600	137	36483
125	11853	5.437E+12	625	120	24598
150	7805	4.834E+11	650	107	16962
175	5343	6.422E+10	675	95	11941
200	3774	1.148E+10	700	85	8568
225	2738	2.577E+09	725	77	6257
250	2033	6.913E+08	750	70	4644
275	1540	2.142E+08	775	63	3499
300	1188	7.474E+07	800	58	2674
325	931	2.880E+07	825	53	2070
350	741	1.208E+07	850	48	1623
375	598	545164	875	45	1286
400	488	262140	900	41	1030
425	403	133300	925	38	834
450	337	712269	950	36	681
475	284	397786	975	33	561
500	241	231136	1000	31	466

Data sheet D-MT-A