



GE SENSING
A COMMITMENT TO EXCELLENCE

THERMISTOR SPECIFICATION NTC THERMISTOR TYPE: DC95F103WN / DC95F103WH	Originated by: Dave Sorg	PAGE 1 of 1 DATE: 02/18/2009
CUSTOMER: NA	CUSTOMER SPECIFICATION No. NA	

DESCRIPTION: Interchangeable Epoxy Coated Chip Thermistor
QUANTITY: N/A

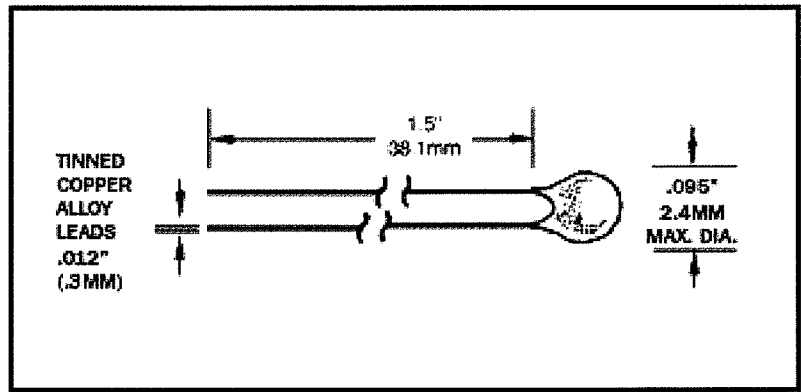
ELECTRICAL SPECIFICATION

Resistance specification: R @ 25 °C =10000 ohms ± 0.88% :
Tolerance ± 0.2°C from 0°C to 70°C
β value 25/85: 3969 K
Dissipation constant (still air): 1.0 (Mw/°C)
Thermal Time Constant (still air): 10 sec.
Temperature Range: -80°C to 150°C

SPECIFICATION

DC95F103WN and
DC95F103WH
Are RoHS-compliant

OUTLINE DRAWING



TESTED BY DJS
DATE 02/18/09

CHKED BY DJS
DATE 02/18/09

These samples are supplied for evaluation purposes only. If it is intended to subject the Product to a Qualification Approval program involving endurance and environmental tests, please consult GE Sensing (or their local agent) so that a full specification can be agreed.

GE SENSING 967 WINDFALL RD ST MARYS PA 15857 Ph (814) 834-9140 Fx (814) 781-7969

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GE Sensing - Resistance vs Temperature Data



967 Windfall Rd.
St. Marys, Pa. 15857

02/17/2009
DJS
PH: 814-834-5515

Part # = DC95F103W DC95F103WN DC95F103WH
 Min Temp °C = -50
 Max Temp °C = 150
 Beta 25°C = 3969
 R₂₅ ohms °C = 10,000 ± 0.88%

RVT from HJ, tolerances from Tolpat

Temperature (°C)	Rnominal (Ohms)	Res.Tol. ±%	Rmin. (Ohms)	Rmax. (Ohms)	Temp. Coef. (%/°C)	Temp. Accy. (±°C)
-50.00	685896	8.24	629370	742422	7.16	1.15
-45.00	481534	7.42	445811	517258	6.90	1.08
-40.00	342278	6.62	319613	364943	6.65	1.00
-35.00	246189	5.85	231789	260589	6.42	0.91
-30.00	179086	5.10	169953	188219	6.20	0.82
-25.00	131685	4.37	125928	137443	6.00	0.73
-20.00	97832	3.66	94247	101418	5.80	0.63
-15.00	73400	2.98	71214	75585	5.62	0.53
-10.00	55589	2.31	54305	56872	5.45	0.42
-5.00	42479	1.66	41774	43183	5.28	0.31
0.00	32740	1.02	32405	33075	5.12	0.20
5.00	25441	0.99	25189	25693	4.95	0.20
10.00	19925	0.96	19734	20117	4.80	0.20
15.00	15723	0.93	15577	15869	4.65	0.20
20.00	12496	0.90	12383	12609	4.52	0.20
25.00	10000	0.88	9912	10088	4.38	0.20
30.00	8055	0.85	7987	8124	4.26	0.20
35.00	6530	0.83	6476	6584	4.14	0.20
40.00	5325	0.80	5283	5368	4.02	0.20
45.00	4368	0.78	4334	4403	3.91	0.20
50.00	3603	0.76	3576	3631	3.82	0.20
55.00	2988	0.74	2966	3011	3.71	0.20
60.00	2491	0.72	2473	2509	3.61	0.20
65.00	2087	0.70	2072	2101	3.51	0.20
70.00	1756	0.68	1744	1768	3.42	0.20
75.00	1485	0.92	1471	1499	3.33	0.28
80.00	1261	1.14	1247	1275	3.24	0.35
85.00	1075	1.35	1061	1090	3.16	0.43
90.00	920.9	1.55	906.6	935.2	3.08	0.50
95.00	791.7	1.74	777.9	805.4	3.00	0.58
100.00	683.1	1.91	670.1	696.2	2.91	0.66
105.00	591.6	1.99	579.8	603.4	2.84	0.70
110.00	514.2	2.07	503.5	524.8	2.77	0.75
115.00	448.4	2.16	438.7	458.1	2.70	0.80
120.00	392.3	2.25	383.5	401.1	2.64	0.85
125.00	344.3	2.34	336.2	352.3	2.58	0.91
130.00	303.1	2.43	295.7	310.4	2.52	0.96
135.00	267.6	2.52	260.8	274.3	2.46	1.02
140.00	236.9	2.61	230.7	243.1	2.41	1.09
145.00	210.4	2.71	204.7	216.1	2.35	1.15
150.00	187.3	2.80	182.0	192.5	2.30	1.22