

44032RC Precision Epoxy NTC Thermistor



- 30,000 ohm Resistance @ 25°C
- Interchangeable $\pm 0.1^\circ\text{C}$, 0°C to 70°C ,
- Pressed Disk Ceramic Sensor
- High sensitivity
- Thermally conductive epoxy coating
- 0.095" (2.4 mm) Maximum Diameter
- 32 AWG, 3" (7.6 cm) long Silver plated copper leads
- RoHS Compliant

DESCRIPTION

Epoxy Encapsulated Precision Interchangeable NTC Thermistor utilizing high stability pressed-disk ceramic sensor for general applications.

FEATURES

- 30,000 Ohm Resistance @ 25°C
- Interchangeability
- Good Long Term Stability
- High Sensitivity
- Thermally Conductive Epoxy Coating
- RoHS Compliance

APPLICATIONS

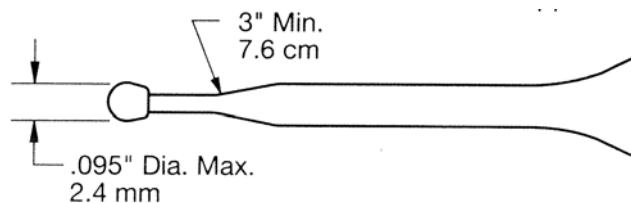
- High-range Temperature Applications
- Tight Tolerance Instrumentation
- General Applications Requiring Stability
- Applications Requiring Sensing Small Changes in Temperature
- Non-condensing Moisture Environments
- Allows use in Applications World-wide

PERFORMANCE SPECS

Parameter	Units	Value
Resistance @ 25°C	Ohms	30,000
tolerance 0°C to 70°C	$^\circ\text{C}$	± 0.1
Beta Value 25/85	K	3943
Tolerance on Beta Value	%	0.4
Time response in air	Seconds	< 10
Dissipation Constant in air	mW/ $^\circ\text{C}$	1
Insulation Resistance (Min. of 100Mohms for 1 Sec.)	Volts	500

44032RC Precision Epoxy NTC Thermistor

MECHANICAL DETAILS



RESISTANCE V TEMPERATURE TABLE

Temp °C	K-Ohms	Temp °C	K-Ohms	Temp °C	K-Ohms	Temp °C	K-Ohms	Temp °C	K-Ohms
-40	884.6	0	94.98	40	16.15	80	3.843	120	1.176
-39	830.9	1	90.41	41	15.52	81	3.720	121	1.145
-38	780.8	2	86.09	42	14.92	82	3.602	122	1.114
-37	733.9	3	81.99	43	14.35	83	3.489	123	1.085
-36	690.2	4	78.11	44	13.80	84	3.379	124	1.057
-35	649.3	5	74.44	45	13.28	85	3.273	125	1.029
-34	611.0	6	70.96	46	12.77	86	3.172	126	1.002
-33	575.2	7	67.66	47	12.29	87	3.073	127	0.9763
-32	541.7	8	64.53	48	11.83	88	2.979	128	0.9511
-31	510.4	9	61.56	49	11.39	89	2.887	129	0.9267
-30	481.0	10	58.75	50	10.97	90	2.799	130	0.9030
-29	453.5	11	56.07	51	10.57	91	2.714	131	0.8800
-28	427.7	12	53.54	52	10.18	92	2.632	132	0.8577
-27	403.5	13	51.13	53	9.807	93	2.552	133	0.8361
-26	380.9	14	48.84	54	9.450	94	2.476	134	0.8150
-25	359.6	15	46.67	55	9.109	95	2.402	135	0.7946
-24	339.6	16	44.60	56	8.781	96	2.331	136	0.7748
-23	320.9	17	42.64	57	8.467	97	2.262	137	0.7556
-22	303.3	18	40.77	58	8.166	98	2.195	138	0.7369
-21	286.7	19	38.99	59	7.876	99	2.131	139	0.7188
-20	271.2	20	37.30	60	7.599	100	2.069	140	0.7012
-19	256.5	21	35.70	61	7.332	101	2.009	141	0.6841
-18	242.8	22	34.17	62	7.076	102	1.950	142	0.6675
-17	229.8	23	32.71	63	6.830	103	1.894	143	0.6513
-16	217.6	24	31.32	64	6.594	104	1.840	144	0.6356
-15	206.2	25	30.00	65	6.367	105	1.788	145	0.6203
-14	195.4	26	28.74	66	6.149	106	1.737	146	0.6055
-13	185.2	27	27.54	67	5.940	107	1.688	147	0.5911
-12	175.6	28	26.40	68	5.738	108	1.640	148	0.5771
-11	166.6	29	25.31	69	5.545	109	1.594	149	0.5635
-10	158.0	30	24.27	70	5.359	110	1.550	150	0.5502
-9	150.0	31	23.28	71	5.180	111	1.507		
-8	142.4	32	22.33	72	5.007	112	1.465		
-7	135.2	33	21.43	73	4.842	113	1.425		
-6	128.5	34	20.57	74	4.682	114	1.386		
-5	122.1	35	19.74	75	4.529	115	1.348		
-4	116.0	36	18.96	76	4.381	116	1.311		
-3	110.3	37	18.21	77	4.239	117	1.276		
-2	104.9	38	17.49	78	4.102	118	1.241		
-1	99.80	39	16.80	79	3.970	119	1.208		

44032RC Precision Epoxy NTC Thermistor

ORDERING INFORMATION

Part Number	Description	Ω @25°C	MOQ
701032	44032RC,THERMISTOR,ROHS COMPLIANT	30,000	300
701132	44032RC-BP (100 PCS),THERMISTOR,ROHS	30,000	300

* For quantities less than Minimum Order Quantity – contact distribution

NORTH AMERICA

Measurement Specialties, Inc.
910 Turnpike Road
Shrewsbury, MA 01545
Tel: 1-508-842-0516
Fax: 1-508-842-0342

Sales email:
temperature.sales.amer@meas-spec.com

EUROPE

Measurement Specialties, Inc
Ballybrit Business Park
Galway Ireland
Tel: +353-91-753238
Fax: +353-91-770789

Sales email:
temperature.sales.emea@meas-spec.com

ASIA

Measurement Specialties (China) Ltd.
No. 26 Langshan Road
Shenzhen High-Tech Park (North)
Nanshan District, Shenzhen 51807
China
Tel: +86 (0) 755 33305088
Fax: +86 (0) 755 33305099

Sales email:
temperature.sales.asia@meas-spec.com

The information in this sheet has been carefully reviewed and is believed to be accurate; however, no responsibility is assumed for inaccuracies. Furthermore, this information does not convey to the purchaser of such devices any license under the patent rights to the manufacturer. Measurement Specialties, Inc. reserves the right to make changes without further notice to any product herein. Measurement Specialties, Inc. makes no warranty, representation or guarantee regarding the suitability of its product for any particular purpose, nor does Measurement Specialties, Inc. assume any liability arising out of the application or use of any product or circuit and specifically disclaims any and all liability, including without limitation consequential or incidental damages. Typical parameters can and do vary in different applications. All operating parameters must be validated for each customer application by customer's technical experts. Measurement Specialties, Inc. does not convey any license under its patent rights nor the rights of others.

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9