

BETATHERM DATA SHEET

Product: BetaCurve Interchangeable Thermistor

Product Description

NTC thermistor soldered to 30 AWG Solid Silver Plated Copper with White Kynar Insulation.
Unit coated with Black Stycast 2850ft epoxy.

Customer:

Customer Part No.: N/A

Application

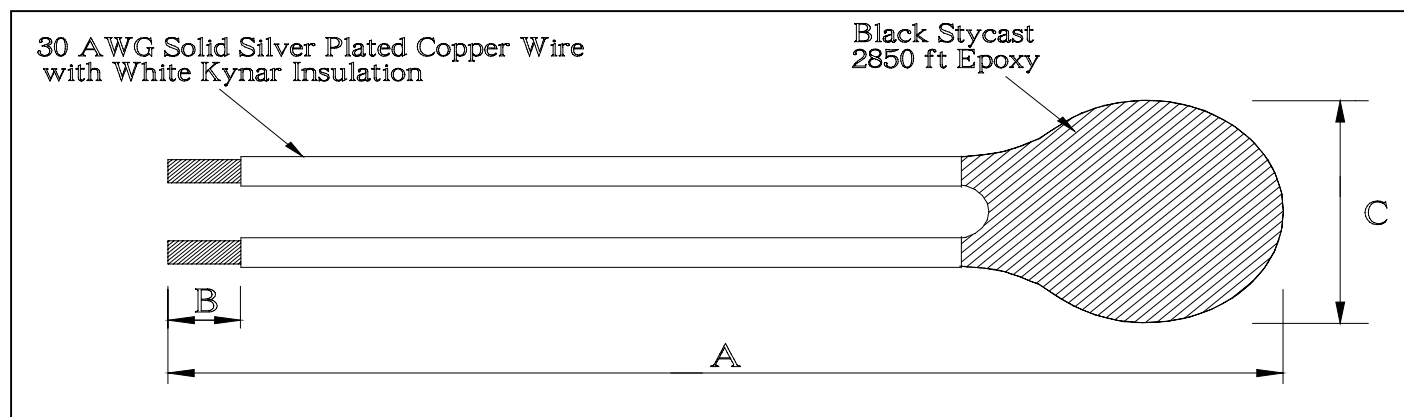
No information available.

Betatherm Part No.: 100K6A372i

Electrical Specifications

Parameter	Unit	Value
Resistance at +25°C	Ohms	100,000
Tolerance from 0°C to +70°C	°C	± 0.2
Alpha at +25°C	%/°C	-4.68
Beta Value _{0/50}	K	4143
Dissipation Constant (still air at +25°C)	mW/°C	1 Approx.
Operating Temperature	°C	-40 to +125

Mechanical Details



Dimension		
A	B	C
200 ± 10mm	10 ± 2.0mm	2.4mm Maximum

Betatherm Approval

Engineering: _____ Date: _____
Quality: _____ Date: _____

Customer Approval

Signed: _____ Date: _____



• CORPORATE HEADQUARTERS
Betatherm Ireland Ltd.,
Ballybrit Business Park,
Galway,
Ireland.
Tel.: 353 – 91- 753238
Fax: 353 – 91 – 753615
E-mail: sales@betatherm.com

• USA HEADQUARTERS
Betatherm Corporation,
910 Turnpike Road,
Shrewsbury,
Massachusetts, 01545.
Tel.: 508 – 842 - 0516
Fax: 508 – 842 – 0748
E-mail: sales@betatherm-usa.com

Resistance/Temperature Chart

Temp. °C	Resistance	Temp. °C	Resistance	Temp. °C	Resistance	Temp. °C	Resistance
-40.00	4071185.7	5.00	269033.9	50.00	33599.4	95.00	6541.4
-39.00	3798837.4	6.00	255335.1	51.00	32261.6	96.00	6333.1
-38.00	3546330.0	7.00	242408.3	52.00	30983.7	97.00	6132.4
-37.00	3312107.1	8.00	230205.9	53.00	29762.8	98.00	5939.0
-36.00	3094742.7	9.00	218683.8	54.00	28596.1	99.00	5752.5
-35.00	2892929.6	10.00	207800.6	55.00	27480.8	100.00	5572.8
-34.00	2705468.6	11.00	197517.7	56.00	26414.6	101.00	5399.5
-33.00	2531259.5	12.00	187798.9	57.00	25395.0	102.00	5232.4
-32.00	2369292.4	13.00	178610.5	58.00	24419.8	103.00	5071.2
-31.00	2218639.3	14.00	169920.8	59.00	23486.8	104.00	4915.7
-30.00	2078447.8	15.00	161700.4	60.00	22594.0	105.00	4765.6
-29.00	1947933.8	16.00	153921.5	61.00	21739.5	106.00	4620.9
-28.00	1826376.2	17.00	146558.2	62.00	20921.6	107.00	4481.1
-27.00	1713111.6	18.00	139586.4	63.00	20138.3	108.00	4346.3
-26.00	1607528.9	19.00	132983.1	64.00	19388.3	109.00	4216.0
-25.00	1509065.2	20.00	126727.2	65.00	18669.8	110.00	4090.3
-24.00	1417202.0	21.00	120798.6	66.00	17981.4	111.00	3968.9
-23.00	1331460.9	22.00	115178.6	67.00	17321.7	112.00	3851.6
-22.00	1251401.0	23.00	109849.7	68.00	16689.4	113.00	3738.3
-21.00	1176615.1	24.00	104795.3	69.00	16083.2	114.00	3628.9
-20.00	1106727.4	25.00	100000.0	70.00	15502.0	115.00	3523.1
-19.00	1041390.8	26.00	95449.2	71.00	14944.6	116.00	3420.9
-18.00	980284.6	27.00	91129.2	72.00	14409.8	117.00	3322.1
-17.00	923112.3	28.00	87027.3	73.00	13896.8	118.00	3226.6
-16.00	869599.5	29.00	83131.4	74.00	13404.5	119.00	3134.3
-15.00	819492.7	30.00	79430.1	75.00	12932.0	120.00	3045.0
-14.00	772556.8	31.00	75912.7	76.00	12478.4	121.00	2958.6
-13.00	728574.6	32.00	72569.3	77.00	12042.8	122.00	2875.1
-12.00	687344.4	33.00	69390.4	78.00	11624.5	123.00	2794.3
-11.00	648679.6	34.00	66367.2	79.00	11222.7	124.00	2716.1
-10.00	612407.0	35.00	63491.2	80.00	10836.7	125.00	2640.4
-9.00	578366.1	36.00	60754.6	81.00	10465.8		
-8.00	546407.9	37.00	58149.9	82.00	10109.4		
-7.00	516394.0	38.00	55670.3	83.00	9766.7		
-6.00	488196.1	39.00	53309.0	84.00	9437.3		
-5.00	461694.8	40.00	51059.9	85.00	9120.5		
-4.00	436779.2	41.00	48917.1	86.00	8815.9		
-3.00	413346.2	42.00	46875.2	87.00	8522.8		
-2.00	391300.0	43.00	44928.8	88.00	8240.9		
-1.00	370551.3	44.00	43073.0	89.00	7969.5		
0.00	351017.0	45.00	41303.3	90.00	7708.4		
1.00	332619.9	46.00	39615.2	91.00	7457.1		
2.00	315287.9	47.00	38004.5	92.00	7215.1		
3.00	298953.9	48.00	36467.5	93.00	6982.0		
4.00	283555.3	49.00	35000.3	94.00	6757.6		



• CORPORATE HEADQUARTERS
Betatherm Ireland Ltd.,
Ballybrit Business Park,
Galway,
Ireland.
Tel.: 353 – 91- 753238
Fax: 353 – 91 – 753615
E-mail: sales@betatherm.com

• USA HEADQUARTERS
Betatherm Corporation,
910 Turnpike Road,
Shrewsbury,
Massachusetts, 01545.
Tel.: 508 – 842 - 0516
Fax: 508 – 842 – 0748
E-mail: sales@betatherm-usa.com