

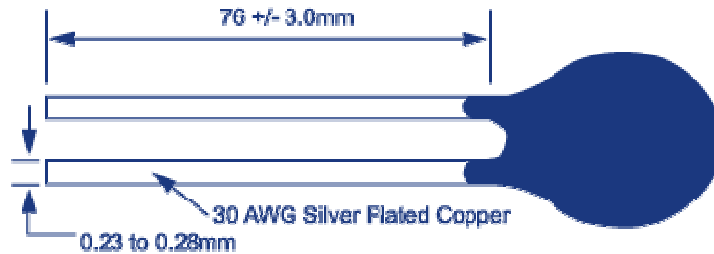
High Reliability Epoxy Coated Thermistor - ESCC 4006/013

Introduction

NTC Thermistor soldered to 30 AWG Silver Plated Copper. Unit coated with an epoxy resin.

Betatherm is listed on the EPPL (European Preferred Parts List) & QPL (Qualified Parts List) as a supplier of high quality components and probe assemblies. These thermal sensing products can be supplied and tested to different levels; LAT 1, 2 or 3.

Shape and Dimensions



Features

- Resistance from 1K ohms to 5K ohms at 25°C.
- Tolerance: $\pm 0.2^\circ\text{C}$ from 0°C to 70°C .
- Operating Temperature: -55°C to $+115^\circ\text{C}$.
- Manufactured to ESCC 4006/013 Specifications.
- Component Type: 34TD25A.



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Electrical Specifications			ESA/SCC 4006/013								
Variant	Part No.	RZ (Note1)	Resistance/Temperature Characteristics (Notes 2 & 3)								
			-55°C	-40°C	-25°C	0°C	+25°C	+50°C	+75°C	+100°C	+115°C
01	1K3A351	Nominal Tol.(± %)	95,620 3.69	33,512 2.32	13,017 2.10	3,265 1.02	1,000 0.88	360 0.76	0.76 1.16	67.9 1.46	- -
02	2K3A352	Nominal Tol.(± %)	191,239 3.69	67,023 2.32	26,034 2.10	6,530 1.02	2,000 0.88	720.2 0.76	296 1.16	135.8 1.46	- -
03	3K3A353	Nominal Tol.(± %)	287,937 3.70	100,701 2.32	39,073 2.10	9,795 1.02	3,000 0.88	1,080 0.76	444 1.16	203.6 1.46	- -
04	4K3A354	Nominal Tol.(± %)	383,916 3.70	134,268 2.32	52,098 2.10	13,060 1.02	4,000 0.88	1,440 0.76	592 1.16	271 1.46	177.8 1.36
05	5K3A355	Nominal Tol.(± %)	479,895 3.70	167,835 2.32	65,122 2.10	16,325 1.02	5,000 0.88	1,800 0.76	740 1.16	339 1.46	222 1.36
06	10K3A739	Tol. (±%)	959,790 3.70	335,670 2.33	130,244 2.10	32,650 1.02	10,000 0.88	3,600 0.76	1,480 0.76	678.0 1.46	444 1.36

NOTES

1. For test purposes, when zero power is dissipated and the ambient temperature is held as specified , the value is referred to as Rz (Zero Power Resistance).
2. Temperature Tolerance ranges is as follows:
 ±0.5°C from -55°C to -41°C and +100°C to +115°C
 ±0.35°C from -40°C to -1°C and +75°C to +99°C
 ±0.2°C from 0°C to +74°C
3. The reference resistance is specified at +25°C
4. Using Customer SAR's (Specification Amendment Record), BetaTHERM Sensors can manufacture a part to any customer R/T Chart.
5. It is not recommended to operate the device continuously in excess of 115°C, to do so may affect the stability of the device.