

BSTUC-054M

Subminiature Hermetic Thermostat

1. Product Overview

BSTUC-054M is contact-and-induction version thermostats, which have passed UL certification. They are characterized by small size, light weight, high precision and outstanding general purpose function, suitable for temperature controlling and overheat protection in equipments of aerospace and other field.

Adopted military standard: MIL-S-24236.

2. Product Features

Part No.	Nominal operating temperature value	Operating temperature tolerance	Restoration temperature	
- 10~+ 110	Any value withingrange -10°C to +110°C	±3°C, ±5°C, ±7°C (If applicable)	Upper limit	Below corresponding operating temperature value 5°C
			Lower limit	Below corresponding operating temperature value 15°C
+ 111~+130	Any value withing range +111°C to +130°C		Upper limit	Below corresponding operating temperature value 5°C
			Lower limit	Below corresponding operating temperature value 20°C

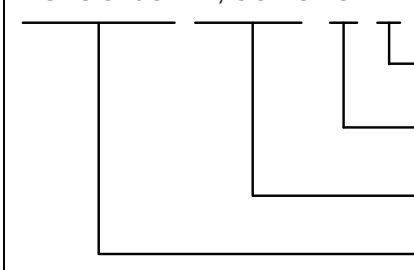
3. Environment Characteristics

No.	Item	Data	
1	Ambient temperature range	-65°C~+150°C	
2	Low atmospheric pressure (kPa)	1.06	
3	Vibration	Frequency (Hz)	10~2000
		Acceleration (m/s ²)	150
4	Shock	Acceleration (m/s ²)	500
		Pulse lasting time	11
5	Acceleration (m/s ²)	200	

4. Product Specifications

Contact arrangement		1D or 1H			
Operating temperature range(°C)		- 10~+150			
Operating temperature tolerance(°C)		See main technical datum table			
Restoration temperature(°C)		See main technical datum table			
Contact resistance(Ω)		Before life	≤ 0.05	Contact load	Resistive: 5A, 28Vd.c.
		After life	≤ 0.10		
Insulation resistance (MΩ)	Under normal condition	≥ 500		sealed	≤ 1Pa ·cm³/s
	Under high temperature and high humidity	≥ 10			
Dielectric withstanding voltage(50Hz)	Under normal condition	500Vr.m.s.		Life	2×104 operations
	Under low atmospheric pressure	350Vr.m.s.		Weight	≤ 11 grams

5. Product Ordering information

BSTUC-054M/35±5°C-1D-0	
	Installation method
	Contact type
	Nominal operating temperature and its allowable deviation
	Product model

6. Mounting types

