308 Constitution Drive
Menlo Park, CA USA
www.circuitprotection.com

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: BD540-30

DOCUMENT: SCD28232
REV LETTER: C
REV DATE: AUGUST 14, 2014

Specification Status: Released

Electrical Rating
Voltage: 16Vdc MAX
Current: 100A MAX

Terminal Material:
Brass H65
Thickness: 0.8mm
Tin plating thickness: 5 µm

Insulating Material:
Green color PBT

Marking:
- Manufacturer's Mark
BD540-30 - Part ID
- Lot Number

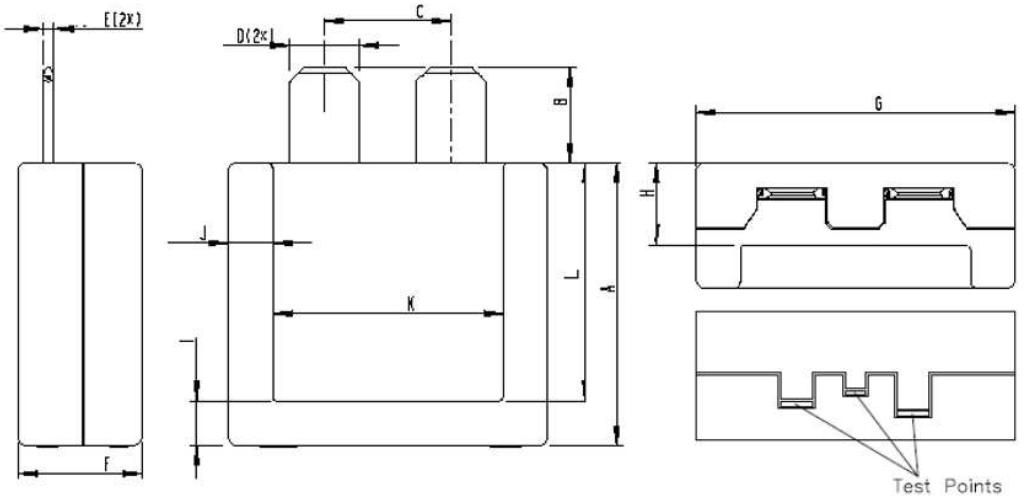

TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm	21.65	22.36	7.06	7.74	9.35	10.55	5.28	5.72	0.7	0.83	9.5	10	24.75	25.4
in*	0.852	0.880	0.278	0.305	0.368	0.415	0.208	0.225	0.028	0.033	0.374	0.394	0.974	1.000

H		I(Ref.)		J(Ref.)		K(Ref.)		L(Ref.)	
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
6.05	6.65	3.4	3.6	3.4	3.6	18	18.2	18.4	18.6
0.238	0.262	0.134	0.142	0.134	0.142	0.709	0.717	0.724	0.732

*Rounded off approximation

TABLE II: PERFORMANCE RATINGS:

RESISTANCE VALUES		TIME TO TRIP AT 120AMPS	TRIP CURRENT AT Rmin	HOLD CURRENT AT Rmax	TRIPPED-STATE POWER DISSIPATION
OHMS AT 25°C MIN	OHMS AT 25°C MAX	SECONDS AT 25°C MAX	AMPS AT 25°C MAX	AMPS AT 25°C MIN	WATTS AT 20°C, 14V TYP
0.0016	0.0044	13	40	21	6.2

Reference Documents: PS300, PS400
Precedence: This specification takes precedence over documents referenced herein.
Effectivity: Reference documents shall be the issue in effect on the date of invitation or bid.
CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame. When using a test probe to probe either of the two test points on the top of the device, care should be taken to avoid puncturing through the insulating material of the device, as this can result in shorting out the terminals which can cause electrical arcing or flame.

Materials Information

ROHS Compliant
Directive 2002/95/EC Compliant

ELV Compliant
Directive 2000/53/EC Compliant

Pb-Free