



GDT Specification List:

1. Electrical Requirements:

No.	Description	M/s.NENSHI	Remarks
1)	DC spark-over voltage 100V/Sec.	230V+/-20%	
2)	Impulse spark-over voltage 1KV/ μ s	≤ 700 V	
3)	Insulation resistance at 100V DC	≥ 10 G Ω	
4)	Hold over voltage/current turn off time at 135V	< 150 ms	
5)	Capacitance at 1 KHz	≤ 3 pF	
6)	AC Discharge current test 10A. 50Hz. 1Sec	10 Applications (per side 5A)	
7)	Impulse (current) life test:		
	a) 10/700,500 Application 100A.Peak		
	b) 10/1000,300 Application 100A.Peak	300 Applications 100A	
8)	Nominal impulse discharge current 8/20 μ s 10KA	10 Applications (per side 5KA)	

2. Dimensions(Fig 1):

1)	Length of GDT including pin thickness and bend	11.5+0.5mm	
2)	Diameter of GDT	$\phi 7.5$ +/-0.3mm	
3)	Length of the pins protruding over GDT	6.5+/-0.5mm	
4)	Distance between the pins	4.4+/-0.3mm	
5)	Pin Diameter	$\phi 1$ mm	

3. Environmental Requirement

1)	Operation and storage temperature	-40...+90°C	ITU-T K.12
2)	Resistance to soldering heat	350+10/-10°C, 3.5+0.5/-0.5Sec	IEC60068-2-20
3)	Solderability	235+5/-5°C, 2.0+0.5/-0.5Sec	IEC60068-2-20
4)	Low temperature	-40°C, duration 2 hours	IEC60068-2-1
5)	Damp heat cyclic	40°C ..12 hours, 55°C ..12 hours, 2 Cycles, 90~95%	IEC60068-2-30
6)	Vibration	10-500Hz, 0.15mm diaplacement for 90 minutes	IEC60068-2-6
7)	Robustness of terminations		
	a) Lead wire pull strength	20N+/-10%, 10+/-1Sec	IEC60068-2-21
	b) Lead wire bending strength	10N+/-10%, 90°C, 2 Cycles	IEC60068-2-21
8)	Free fall	1000mm, 2 Cycles	IEC60068-2-32

4. Packing

1)	Inside box		
	a) Volume	195 \times 172 \times 9mm	
	b) Quantity	100Pcs	
	c) Weight	~292g	
2)	Outside box		
	a) Volume	365 \times 225 \times 255mm	
	b) Quantity	5000Pcs	
	c) Weight	~15.5kg	

5. Marking

1)	Colour	Blue	
2)	Marker	NENSHI 230 YY	230-Nominal voltage YY-Year of production

-The end of Specification-

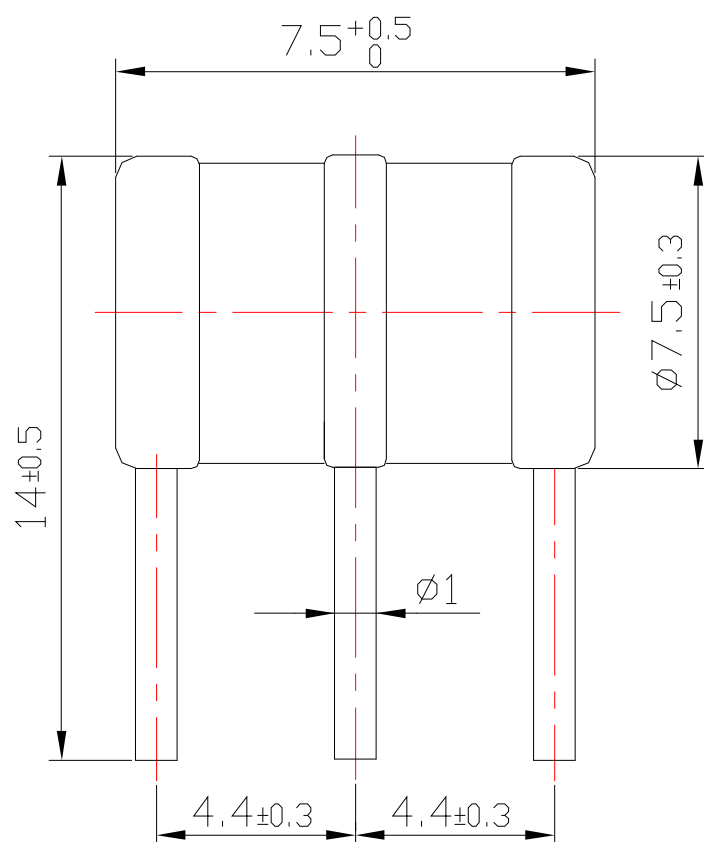


Fig (1)