

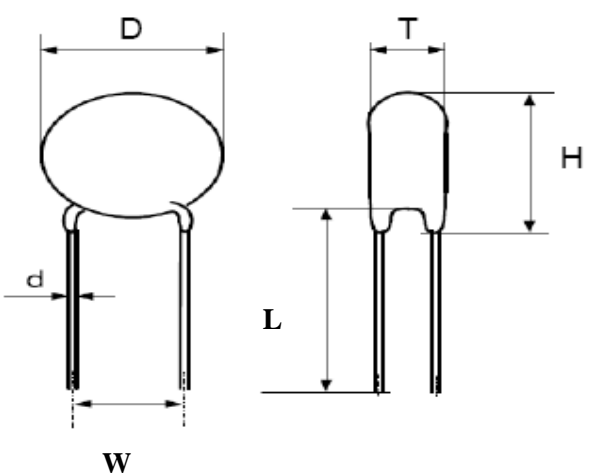
規格承認書

SPECIFICATION FOR APPROVAL

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		DATE: 2014年3月27日
UL	E333049	

1. OUTLINE

1.1	APPEARANCE	Without Any Crack, Marking Should be Clear
1.2	DIMENSIONS	DIMENSIONS (mm)

	D (max)	24.0
	H (max)	28.0
	T (max)	9.0
	d (±0.05)	1.0
	W (±1.0)	10.0
	L (min)	25.0

2. ELECTRICAL PARAMETER

2.1	Max. Allowable Voltage	460(V) 615 (V)	AC DC
2.2	Varistor Voltage	67 5-825(V)	V1mA
2.3	Rated Wattage	1.0 (W)	
2.4	Max. Clamping Voltage	IP: 100 (A)	Test Current Waveform 8/20 μs
		Vc: 1240(V)	
2.5	Withstanding Surge Current	1time: 6500(A)	Test Current Waveform 8/20 μs
		2times: 4000(A)	
2.6	Max. Energy	25 5(J)	Test Current Waveform 10/1000 μs
2.7	Typical Capacitance(reference)	530(pf)	@1KHz
2.8	Leakage Current	≤ 45(μA)	At 80% of Varistor Voltage
2.9	Nonlinear Exponent (α)	≥ 40	$\alpha = \log \frac{I_1}{I_2} / \log \frac{V_1}{V_2}$
2.10	Temperature Coefficient of Varistor Voltage	≤ ± 0.05%/ °C Max.	$\frac{V_{c85^{\circ}C} - V_{c25^{\circ}C}}{V_{cat25^{\circ}C}} \times \frac{1}{60} \times 100(\% / ^{\circ}C)$
2.11	Impulse Life	≤ ±10%(V1mA)	Test Current Waveform 8/20 μs

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3.Mechanical Requirements					
3.1	Tensile of Terminations	No Outstanding Damage	1Kgf; 10Sec.		
3.2	Bending of Terminations	No Outstanding Damage	0.5Kgf; 90° ,3 Times		
3.3	Vibration	No Outstanding Damage	Freq:10-55hz; Amp:0.75mm,1Min.		
3.4	Solderability	Min. 95% of The Terminal Should Be Covered With Solder Uniformly	Solder Temp:265±5°C Immersed Time: ≤5Sec.		
3.5	Resistance of soldering heat	△ V1mA/V1mA ≤±5%	Solder Temp: 260±5°C Immersed Time: 10±1Sec.		
4.Enviromental Requirements					
4.1	High Temperature Storage	△V1mA/V1mA ≤±5%	Ambient Temp: 125±2°C Duration:1000h		
4.2	Low Temperature Storage	△V1mA/V1mA ≤±5%	Ambient Temp: -40±2°C Duration:1000h		
4.3	High Humidity Storage/Damp Heat	△V1mA/V1mA ≤±5%	Ambient Temp: 40±2°C 90-95% R.H. Duration:1000h		
4.4	Temperature Cycle	△V1mA/V1mA ≤±5%	Step	Temperature	Period
			1	-40°C	30 min
			2	Room Temp	15 min
			3	125°C	30 min
			4	Room Temp	15 min
4.5	High Temperature Load	△V1mA/V1mA ≤±10%	Ambient temp:85±2°C Duration:1000h Load: MAX. Allowable Voltage		
4.6	High Humidity Load	△V1mA/V1mA ≤±10%	Ambient Temp:125±2°C Duration:1000H Load: MAX. Allowable Voltage		
4.7	Operating Temperature Range	-40°C ~ +85°C	-40°C ~ +85°C		
4.8	Storage Temperature Range	-40°C ~ +125°C	-40°C ~ +125°C		