

規格承認書

SPECIFICATION FOR APPROVAL

SPECIFICATION		NO.	
PART NO.	ZOV20D220K	PAGE 1 OF 2	
		DATE:2009年07月28日	
UL		CSA	VDE
1.OUTLINE			
1.1	APPEARANCE	Without Any Crack, Marking Should Be Clear	
1.2	DIMENSIONS	DIMENSIONS (mm)	
		D (max)	21.5
		H (max)	24.5
		T (max)	5.7
		D(±0.02)	0.8
		E(±1.0)	10.5
2.ELETRICAL PARAMETER			
2.1	Max. Allowable Voltage	AC: 14(V)	At 1 mA DC
		DC: 18(V)	
2.2	Varistor Voltage	20-24 (V)	VO.1 mA□ V1.0 mA■
2.3	Rated Wattage	0. 2(W)	
2.4	Max. Clamping Voltage	IP: 20(A)	Test Current Waveform 8/20 μs
		VC: 22(V)	
2.5	Withstanding Surge Current	1time: 3000(A)	Test Current Waveform 8/20 μs
		2time: 2000(A)	
2.6	Max. Energy	16(J)	Test Current Waveform 10/1000 μs
2.7	Typical Capacitance	18500(pf)	@ 1KHz
2.8	Leakage Current	≤200(μA)	At 80% of Varistor Voltage
2.9	Nonlinear Exponent(α)	≥40	$a = \log \frac{I_1}{I_2} / \log \frac{V_1}{V_2}$
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%(V1 mA)	Test Current Waveform 8/20 μs

規格承認書

SPECIFICATION FOR APPROVAL

	SPECIFICATION		NO.		
PART NO.	ZOV20D220K		PAGE 2 OF 2		
			DATE:2009 年 07 月 28 日		
UL		CSA		VDE	
3. Mechanical Requirements					
3.1	Tensile of Terminations	No Outstanding Damage	1Kgf, 10Sec		
3.2	Bending of Terminations	No Outstanding Damage	0.5Kgs,90°, 3 Times		
3.3	Vibration	No Outstanding Damage	Freq: 10-55hz Amp: 0.75 mm, 1Min		
3.4	Solderability	Min.95% of The Terminal Should Be Covered With Solder Uniformly	Solder Temp:230±5°C Immersed Time:2±0. 5Sec		
3.5	Resistance of soldering Heat	△ V1mA /V1mA ≤±5%	Solder Temp:260±5°C		
			Immersed Time:10±1Sec		
4 · Environmental 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	30min
			2	Room Temp	15min
			3	125°C	30min
4	Room Temp	15min			
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		