



KC-012 THRU KC-430 SPECIFICATIONS

Rev. A

12V TO 200V AXIAL LEAD TRANSIENT VOLTAGE SUPRESORS

<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th rowspan="2">Dim.</th> <th colspan="2">Value in [mm]</th> </tr> <tr> <th>Min.</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>0.850[21.59]</td> <td>1.040[26.42]</td> </tr> <tr> <td>B</td> <td>---</td> <td>0.630[16.00]</td> </tr> <tr> <td>C</td> <td>---</td> <td>0.630[16.00]</td> </tr> <tr> <td>D</td> <td>0.080[2.03]</td> <td>0.120[3.05]</td> </tr> <tr> <td>E</td> <td>0.230[5.84]</td> <td>0.276[7.01]</td> </tr> <tr> <td>F</td> <td>0.030[0.76]</td> <td>0.070[1.78]</td> </tr> </tbody> </table>	Dim.	Value in [mm]		Min.	Max.	A	0.850[21.59]	1.040[26.42]	B	---	0.630[16.00]	C	---	0.630[16.00]	D	0.080[2.03]	0.120[3.05]	E	0.230[5.84]	0.276[7.01]	F	0.030[0.76]	0.070[1.78]	<p>PRODUCT FEATURES</p> <ol style="list-style-type: none"> 1. FLAMMABILITY CLASSIFICATION 94V-0 2. LOW SLOPE RESISTANCE 3. REPETITION RATE (DUTY CYCLE) : 0.01% 4. HIGH CURRENT TRANSIENT SUPPRESSOR PLASTIC 5. EXCELLENT CLAMPING CAPABILITY 6. GLASS PASSIVATED JUNCTION 7. CASE: EPOXY ENCAPSULATED 8. DIMENSIONS IN INCHES AND (MILLIMETERS) 9. BI-DIRECTIONAL 10. MIL-STD-202, METHOD 208 11. ROHS
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MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED STORAGE AND OPERATING TEMPERATURE RANGE -55°C TO + 150°C

RATINGS	SYMBOL	VALUE	UNITS
CURRENT RATING , RATED IPP MEASURED WITH 8/20 uS PULSE	Ipp	10	KA
SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD			
FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%			
CURRENT RATING , RATED IPP MEASURED WITH 8/20 uS PULSE 10KA			

PART NUMBER	MAX BREAK DOWN VOLTAGE VBR(V)	PK REV VOLTAGE VRWM (V)	MAX CLAMPING VOLTAGE VC(V)	MAX ENERGY (10/1000µs(A))
KC-012	14	12.8	28	1665
KC-015	17	15	30	2164
KC-020	22	20	40	2664
KC-025	28	25	50	3163
KC-030	33	30	60	3996
KC-042	47	42	77	5661
KC-058	64	58	110	8158
KC-066	70	66	125	8658
KC-076	83	76	135	9324
KC-100	110	100	165	14152
KC-133	147	133	220	17649
KC-170	180	170	260	23310
KC-190	200	190	290	27972
KC-200	222	200	330	28638
KC-240	250	240	340	
KC-380	401	380	520	
KC-430	440	430	625	



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RATING AND CHARACTERISTIC CURVES

