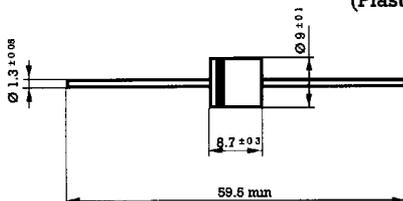


Load Dump Glass Passivated Automotive Transient Voltage Suppressor

Dimensions in mm.

P-6
(Plastic)

Mounting instructions

1. Min. distance from body to soldering point, 4 mm.
2. Max. solder temperature, 350°C.
3. Max. soldering time, 3,5 sec
4. Do not bend lead at a point closer than 4 mm. to the body.

- Developed to suppress transient in the automotive system, protecting mobile transceivers, radios and tape decks from overvoltages (width pulses).



- Glass passivated junction
- In process of evaluation UL 1449
- Low Capacitance AC signal protection
- Molded case
- Diffused junction
- The plastic material carries U/L recognition 94 V-0
- Terminals: Axial leads

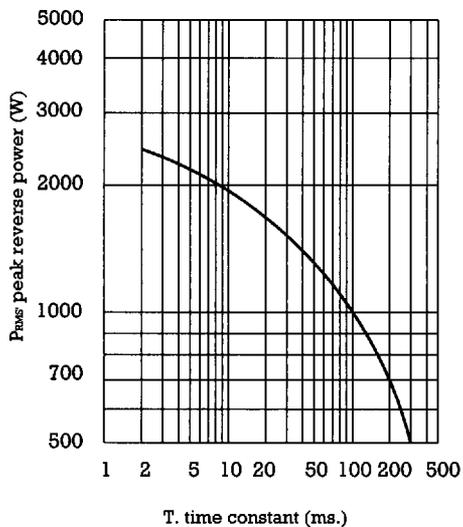
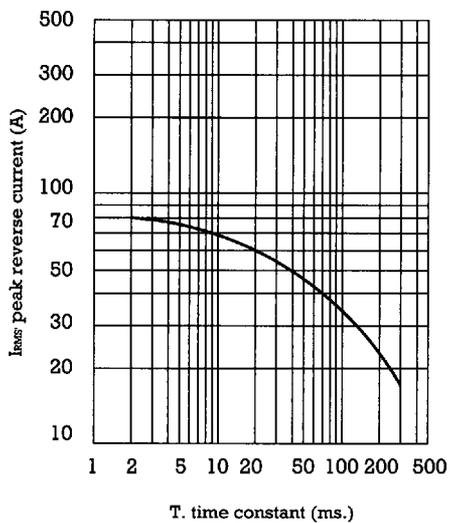
Maximum Ratings, according to IEC publication No. 134

		MR 2520 L
P_{PP}	Peak pulse power for 1 msec. exponential pulse	5.000 W
T_j	Max. operating temperature	175 °C
T_{STC}	Storage temperature range	- 65 to 175 °C

Electrical Characteristics at $T_{amb} = 25^{\circ}C$

V_{RRM}	V_{DC} Peak repetitive reverse voltage	23 V	
I_{RSM}	Repetitive peak reverse surge current ($t = 10$ msec.)	68 A	
I_R	Max reverse current at $V_R = 23$ Vdc	20 μ A	
V_{BR}	Breakdown voltage at $I_R = 100$ mA (1)	Min.	Max.
		24 V	32 V
U_{CL}	Max. clamping voltage at $I = 40$ A (2)	40 V	
R_{thj-a}	Max. thermal resistance ($l = 10$ mm.)	10 °C/W	

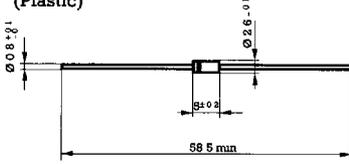
FAGOR ELECTRONICS



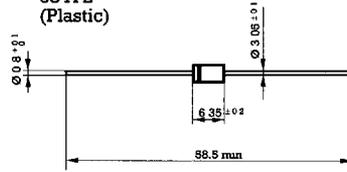
Package Outlines

Dimensions in mm.

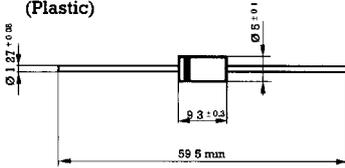
1 DO-41
(Plastic)



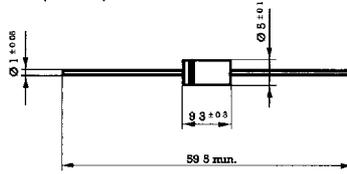
2 DO-15
F-126
58 A 2
(Plastic)



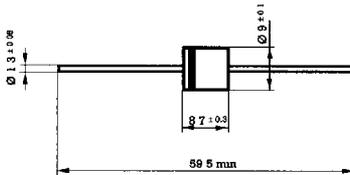
3 DO-27 A
DO-201 AD
(Plastic)



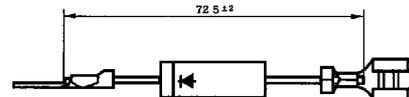
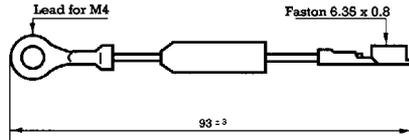
4 DO-201 AE
(Plastic)



5 P-6
(Plastic)

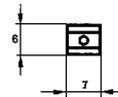
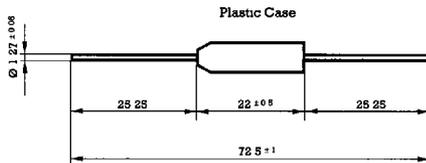


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Suffix E1

6

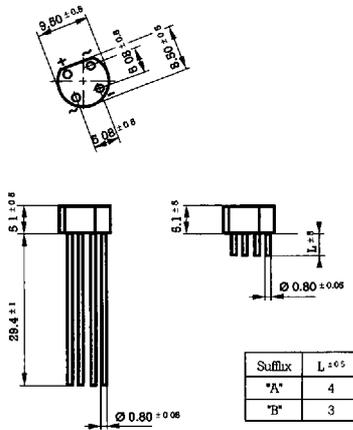


(HVR 3)
(HVR 4)

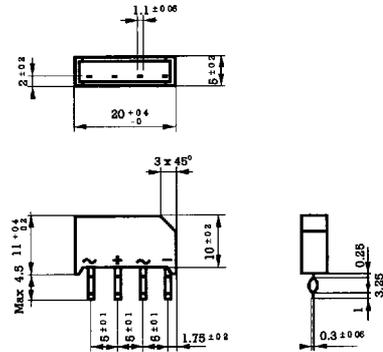


(HVR 062)

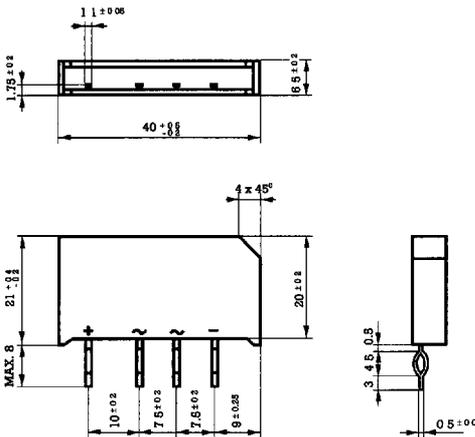
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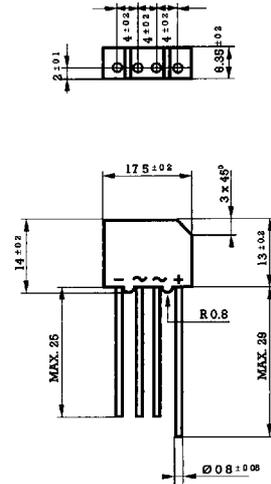
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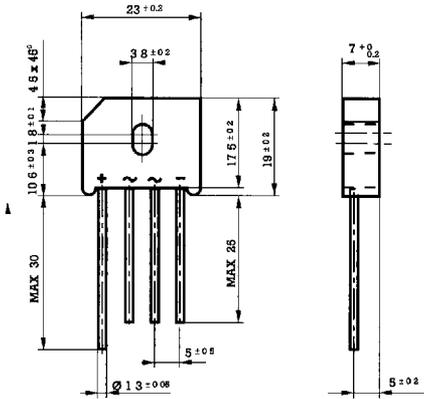
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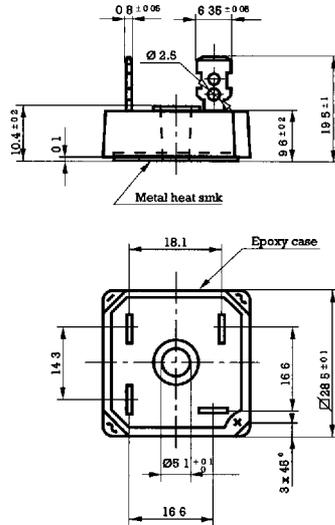
Package Outlines

Dimensions in mm.

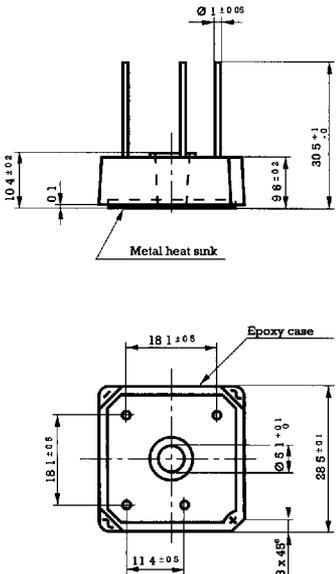
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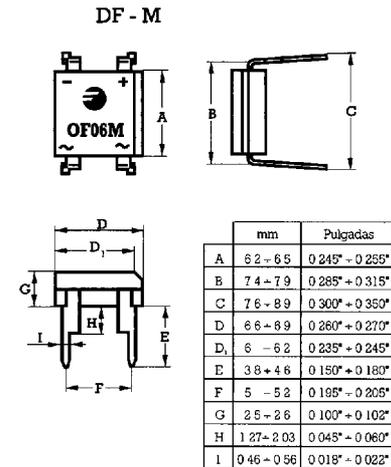
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14



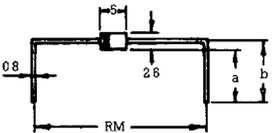
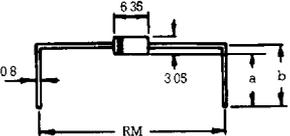
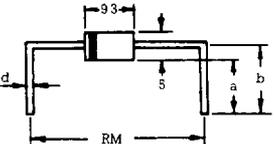
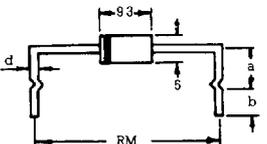
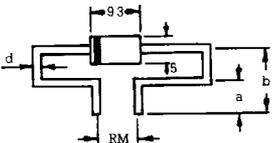
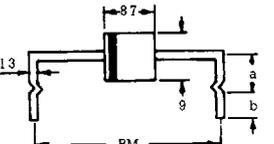
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Standard lead forming specifications

Dimensions in mm.

Plastic Cases

DO-41 	Type	Dimensions				
		a	b	RM		
		C2-3	3 ± 0.5	4.3 ± 0.5	10 ± 0.5	
		C2-5	10 ± 0.5	11.3 ± 0.5	10 ± 0.5	
C2-8	4 ± 0.5	5.3 ± 0.5	10 ± 0.5			
DO-15 	Type	Dimensions				
		a	b	RM		
		C2-3	3 ± 0.5	4.5 ± 0.5	10 ± 0.5	
		C2-5	10 ± 0.5	11.5 ± 0.5	10 ± 0.5	
C2-8	4 ± 0.5	5.5 ± 0.5	10 ± 0.5			
DO-201AD DO-27A (d = 1.27) 	DO-201AE (d = 1)	Type	Dimensions			
			a	b	RM	
			C2-1	3.5 ± 0.5	6 ± 0.5	15 ± 0.5
			C2-2	4 ± 0.5	6.5 ± 0.5	15 ± 0.5
			C2-4	7.5 ± 0.3	10 ± 0.3	17.8 ± 0.15
			C2-6	3.5 ± 0.5	6 ± 0.5	17.5 ± 0.5
			C2-7	4.5 ± 0.5	7 ± 0.5	21 ± 0.5
			C2-11	4.5 ± 0.5	7 ± 0.5	17.5 ± 0.5
			C2-12	12.5 ± 0.5	15 ± 0.5	17.5 ± 0.5
			C2-13	16 ± 0.5	18.5 ± 0.5	15.2 ± 0.5
			C2-14	7.5 ± 0.5	10 ± 0.5	15 ± 0.5
			C2-17	4 ± 0.5	8.5 ± 0.5	20 ± 0.5
			DO-201AD DO-27A (d = 1.27) 	DO-201AE (d = 1)	Type	Dimensions
a	b	RM				
C6-1	10 ± 0.5	5 ± 0.5				15.2 ± 0.5
C6-2	10 ± 0.5	5 ± 0.5				17.5 ± 0.5
C6-3	7 ± 0.5	5 ± 0.5				21 ± 0.5
C6-4	13.5 ± 0.5	5 ± 0.5				15.2 ± 0.5
C6-5	10 ± 0.5	5 ± 0.5	20 ± 0.5			
DO-201AD DO-27A (d = 1.27) 	DO-201AE (d = 1)	Type	Dimensions			
			a	b	RM	
C4-2	4.5 ± 0.3	10.5 ± 0.3	7.5 ± 0.5			
P-6 	Type	Dimensions				
		a	b	RM		
		C6-1	10 ± 0.5	5 ± 0.5	15.2 ± 0.5	
		C6-2	10 ± 0.5	5 ± 0.5	17.5 ± 0.5	
		C6-3	7 ± 0.5	5 ± 0.5	21 ± 0.5	
C6-4	13.5 ± 0.5	5 ± 0.5	15.2 ± 0.5			