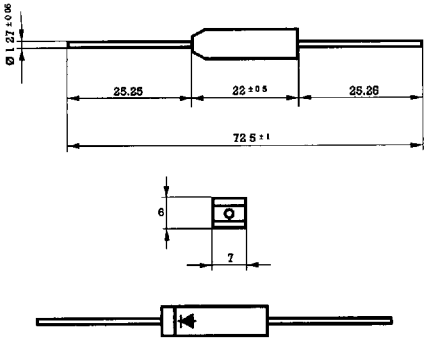
High Voltage Plastic Rectifier

T-01-17

Dimensions in mm. Plastic Case



Voltage
7.000 - 12.000 V.

Current
350 mA

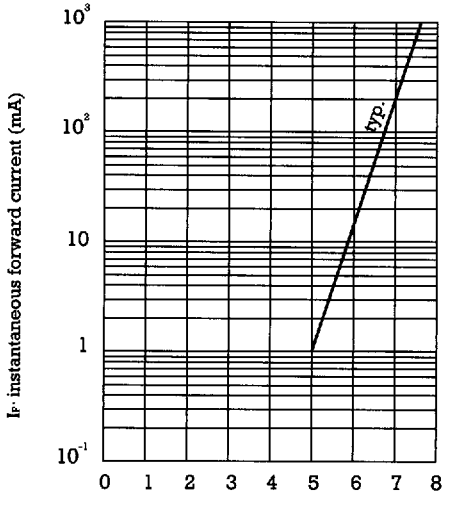
- Low cost
- Diffused junction
- High current capability
- The plastic material carries U/L recognition 94 V-0
- Terminals: Axial Leads

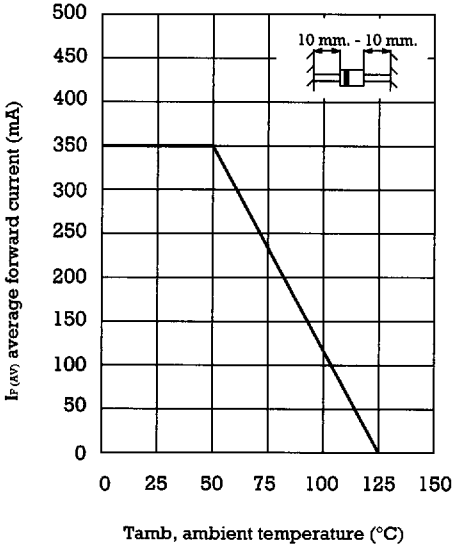
Maximum Ratings, according to IEC publication No. 134

		HVR3-7	HVR3-9	HVR3-12
V_{RRM}	Peak recurrent reverse voltage (V)	7.000	9.000	12.000
$I_{F(AV)}$	Forward current at Tamb = 50 °C	350 mA		
I_{FRM}	Recurrent peak forward current	10 A		
I_{FSM}	8.3 ms. peak forward surge current	50 A		
T_j	Max. operating temperature	+ 125°C		
T_{stg}	Storage temperature range	– 20 + 125 °C		

Electrical Characteristics at Tamb = 25°C

V_F	Max. forward voltage drop at I_F = 350 mA	8.5 V
I_R	Max. reverse current at V_{RRM}	5 µA

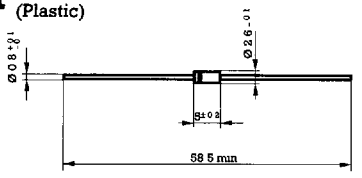

10^3
10^2
10
1
10^{-1}
typ.
I_F, instantaneous forward current (mA)
0 1 2 3 4 5 6 7 8
V_F, instantaneus forward voltage drop (V)


500
450
400
350
300
250
200
150
100
50
0
10 mm. - 10 mm.
$I_{F(AV)}$ average forward current (mA)
0 25 50 75 100 125 150
Tamb, ambient temperature (°C)

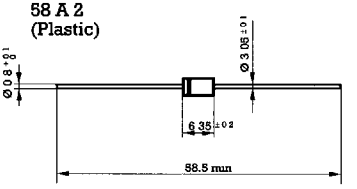
Package Outlines

Dimensions in mm.

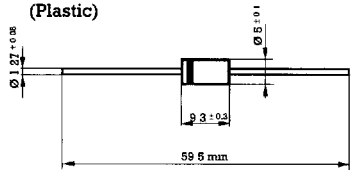
1 DO-41
(Plastic)



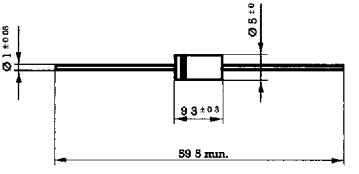
2 DO-15
F-126
58 A 2
(Plastic)



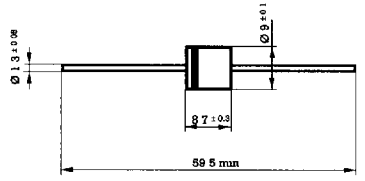
3 DO-27 A
DO-201 AD
(Plastic)



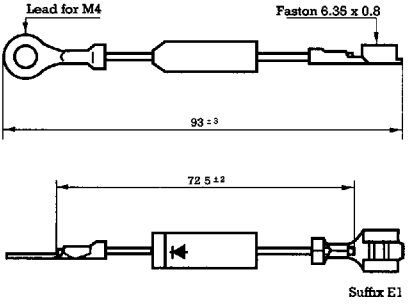
4 DO-201 AE
(Plastic)



5 P-6
(Plastic)

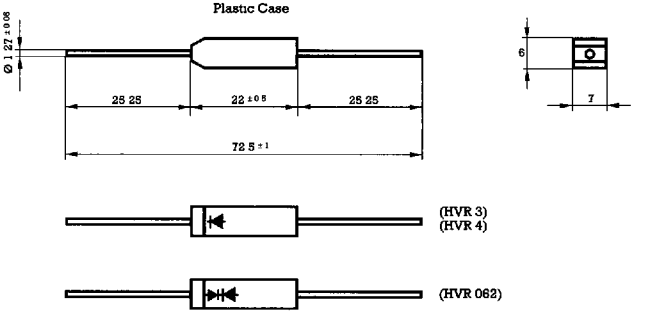


7



Suffix E1

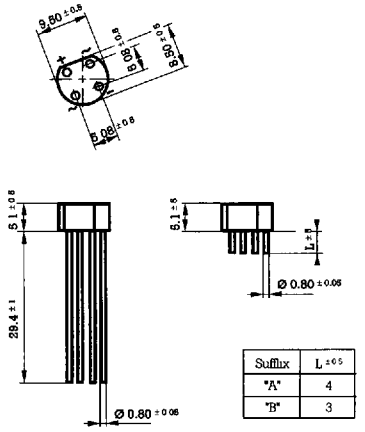
6



Package Outlines

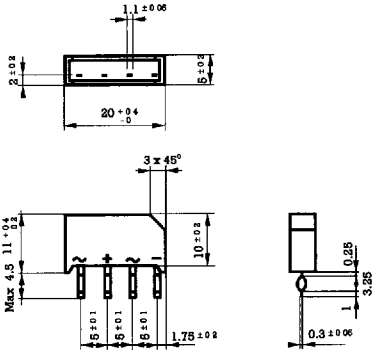
Dimensions in mm.

8

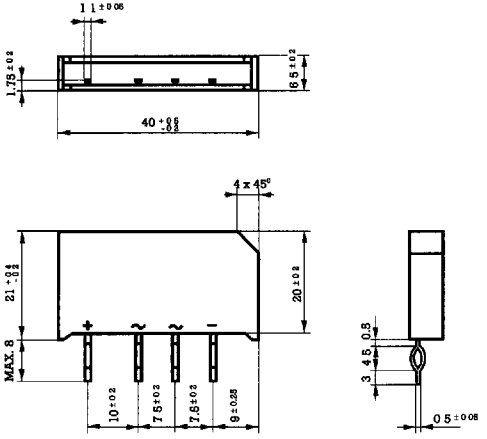


Suffix	L ±0.5
"A"	4
"B"	3

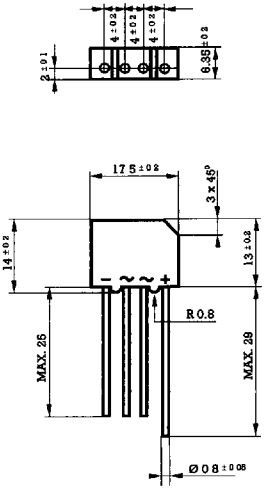
9



10



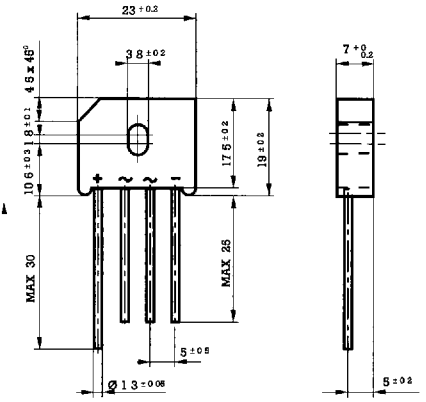
11



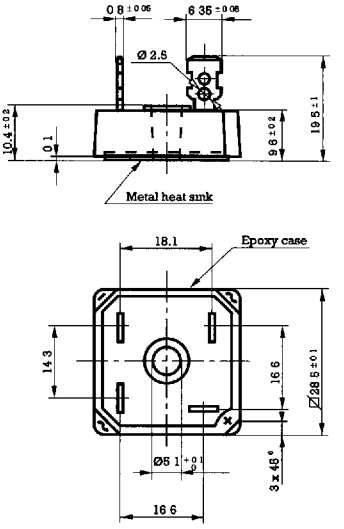
Package Outlines

Dimensions in mm.

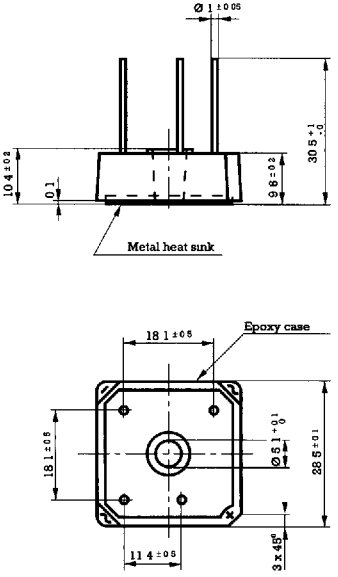
12



13

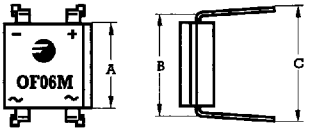


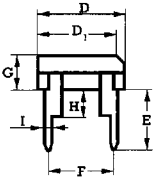
14



15

DF - M





	mm	Pulgadas
A	6.2 ÷ 6.5	0.245" ÷ 0.255"
B	7.4 ÷ 7.9	0.285" ÷ 0.315"
C	7.6 ÷ 8.9	0.300" ÷ 0.350"
D	6.6 ÷ 6.9	0.260" ÷ 0.270"
D_1	6 ÷ 6.2	0.235" ÷ 0.245"
E	3.8 ÷ 4.6	0.150" ÷ 0.180"
F	5 ÷ 5.2	0.195" ÷ 0.205"
G	2.5 ÷ 2.6	0.100" ÷ 0.102"
H	1.27 ÷ 2.03	0.045" ÷ 0.060"
I	0.46 ÷ 0.56	0.018" ÷ 0.022"

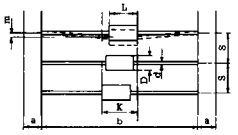
Packaging specifications

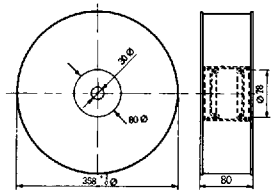
Dimensions in mm.

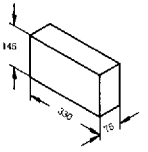
REEL PACKAGING (Under IEC-CEI 286-1 and RS-296 D)

CASE TYPE (OUTLINE)	REEL DIMENSIONS					UNITS PER REEL	APROX GROSS WEIGHT PER REEL PACKED
	K	b	S	m	a		
(1) DO41 (Plastic)	6 4	53 ±2	5 ±0 5	1 2	6 ±1	6000	2.5 kg (5 52 Lbs)
(2) DO15 (Plastic)	7 85	53 ±2	5 ±0 5	1 2	6 ±1	5000	2 3 kg (5.07 Lbs)
(3) DO201AD (Plastic) (4) DO201AE (Plastic)	11	53 ±2	10 ±0 5	1.2	6 ±1	1500	2 kg. (4 41 Lbs)
(5) P-6 (Plastic)	11 27	53 ±2	10 ±0 5	1.2	6 ±1	1000	3 kg (6 61 Lbs)

REEL PACKAGING



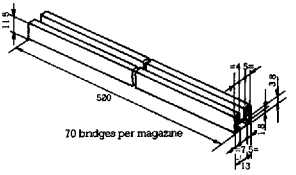




AMMO BOX PACKAGING (SUFFIX "AMP")

OUTLINES	BOX SIZE	UNITS PER BOX	APROX GROSS WEIGHT PER REEL PACKED
DO-41 (Plastic)	330 x 75 x 145	6000	2 20 kg (4 85 Lbs)
DO-15 (Plastic)	330 x 75 x 145	5000	2 20 kg (4 85 Lbs)
DO-201AD (Plastic)	330 x 75 x 145	1500	1 85 kg (4 08 Lbs)
DO-201ED (Plastic)	330 x 75 x 145	1500	1 85 kg (4 08 Lbs)
P-600	330 x 75 x 145	500	1 2 kg (2 65 Lbs)

DIL PACKAGING
ANTISTATIC PLASTIC TUBF



BOX PACKAGING

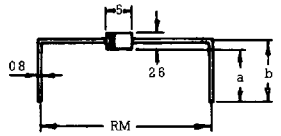
DEVICE TYPE (OUTLINE)	BOX SIZE	UNITS PER BOX	APROX GROSS WEIGHT
(6) (7) HVR3. HVR4 HVR062 (7) = Suffix E1	70 x 105 x 205	(6) 250 (7) 200	0 710 kg (1 560 Lbs)
(8) B C800, C1000, C1500 R, WL F, WF / ("A")	70 x 105 x 205	500 / (1.500)	0 650 kg (1 430 Lbs)
(9) B C1500/1000, C2000/1500	70 x 105 x 205	500	1 100 kg (2 425 Lbs)
(10) B . C3700/2200	70 x 105 x 205	100	1 100 kg (2 425 Lbs)
(10) B . C500/3300, C5000/3300-400	70 x 105 x 205	100	1 100 kg (2 425 Lbs)
(11) FBP, 2FBP	215 x 85 x 335	500	2 10 kg (4.62 Lbs)
(12) FBU 4 - 6 - 8	270 x 90 x 400	500	4 20 kg (9 23 Lbs)
(13) FB 10 - 15 - 25 - 35 - 50 B 10 - 15 - 25 - 35 - 50	70 x 105 x 205	50	0 850 kg (1.872 Lbs)
(14) FB 10L - 15L - 25L B 10L - 15L - 25L	35 x 135 x 205	20	0.350 kg (0.770 Lbs)
DF - M	540 x 145 x 110	5 600	4 0 kg (8 82 Lbs.)

Standard lead forming specifications

Dimensions in mm.

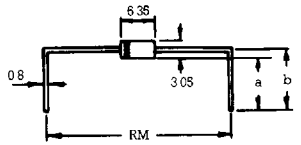
Plastic Cases

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

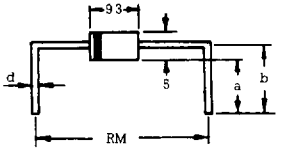
DO-15



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±0.8	5.5±0.5	10±0.5

DO-201AD
DO-27A
(d = 1.27)

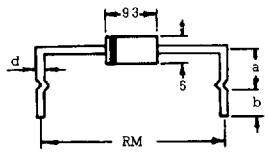
DO-201AE
(d = 1)



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	6.5±0.5	20 ±0.5

DO-201AD
DO-27A
(d = 1.27)

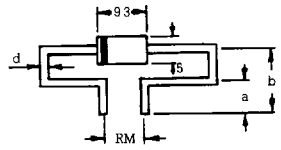
DO-201AE
(d = 1)



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

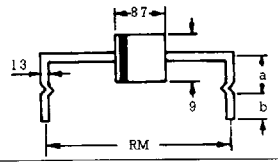
DO-201AD
DO-27A
(d = 1.27)

DO-201AE
(d = 1)



Type	Dimensions		
	a	b	RM
C4-2	4.6±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