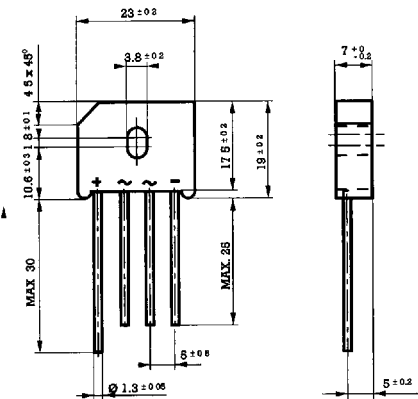


6 Amp. Silicon Bridge Rectifiers in Plastic Case

1-23-07

Dimensions in mm.



Voltage
50 to 1.000 V.

Current
6.0 A.

- In process of evaluation UL 1449
- Low Cost
- Terminals: Radial in-line
- Lead and polarity identifications
- Ideal for printed circuit board (P.C.B.)
- Case: Molded Plastic
- The plastic material carries U/L recognition 94 V-O

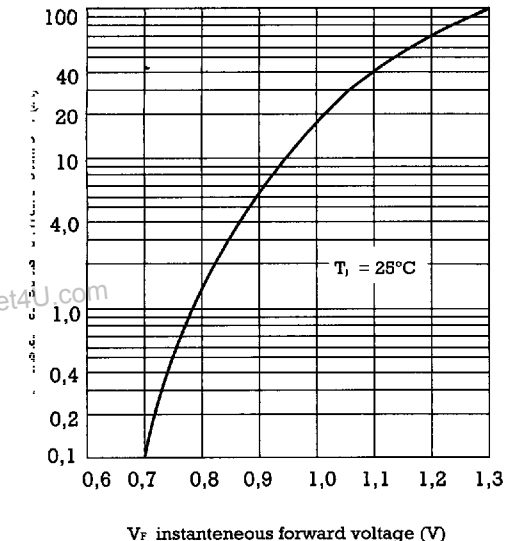
Maximum Ratings, in accordance with IEC publication No. 134

		FBU 6A	FBU 6B	FBU 6D	FBU 6G	FBU 6J	FBU 6K	FBU 6M
V_{RRM}	Peak recurrent reverse voltage (V)	50	100	200	400	600	800	1000
$I_{F(AV)}$	Forward current at $T_{amb} = 100^\circ\text{C}$	6.0 A						
I_{FSM}	10 ms. peak forward surge current	250 A						
T_j	Max. operating temperature	+ 150 °C						
T_{stg}	Storage temperature range	- 55 to + 150 °C						

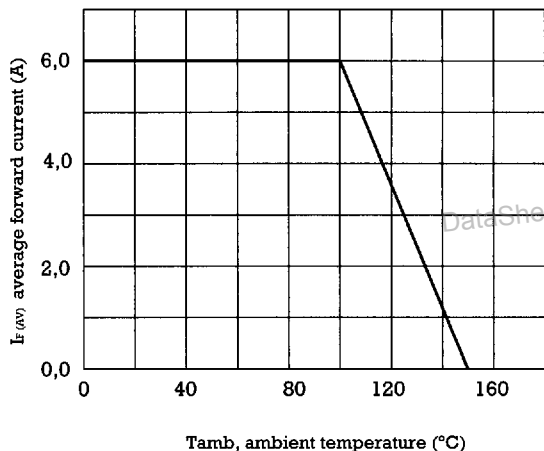
Electrical Characteristics at $T_{amb} = 25^\circ\text{C}$

V_f	Max forward voltage drop per element at $I_f = 6\text{ A}$	www.DataSheet4U.com
I_R	Max. reverse current per element at V_{RRM}	10 $\mu\text{ A}$
$R_{th(j-c)}$	Thermal resistance junction to case	5 °C/W

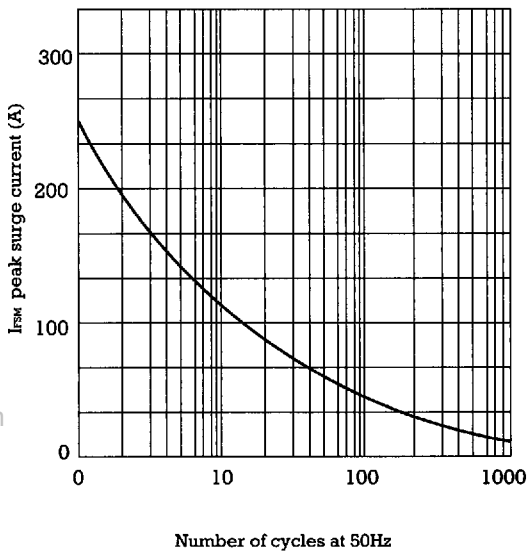
Characteristic Curves



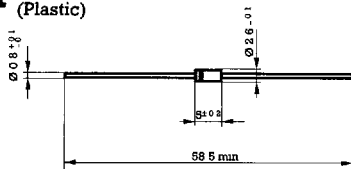
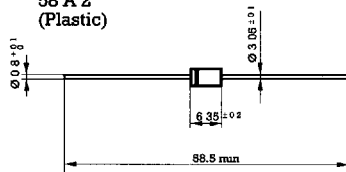
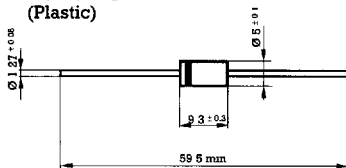
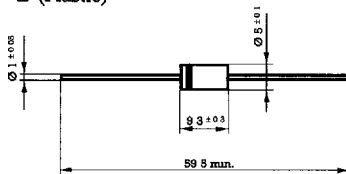
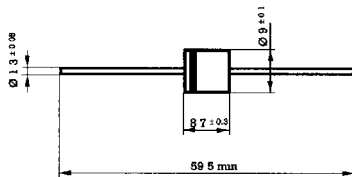
V_f instantaneous forward voltage (V)



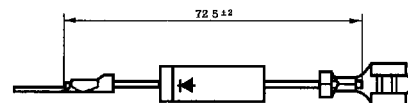
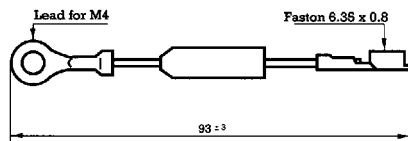
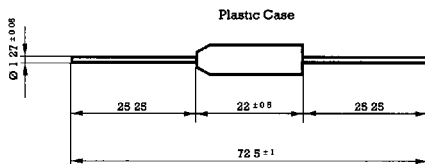
T_{amb} , ambient temperature ($^\circ\text{C}$)



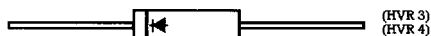
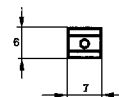
Number of cycles at 50Hz

1 DO-41
(Plastic)**2** DO-15
F-126
88 A 2
(Plastic)**3** DO-27 A
DO-201 AD
(Plastic)**4** DO-201 AE
(Plastic)**5** P-6
(Plastic)

DataSheet4U.com

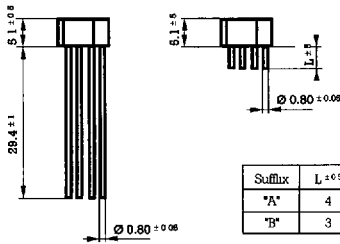
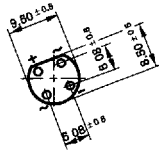
7**6**

Plastic Case

(HVR 3)
(HVR 4)

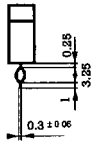
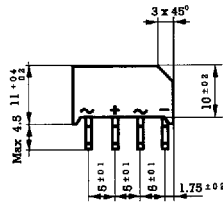
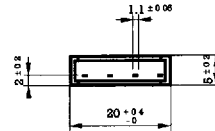
(HVR 062)

8



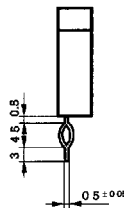
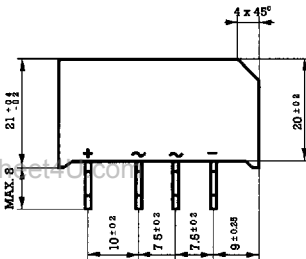
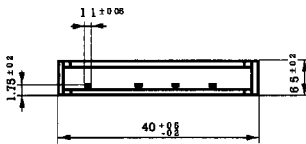
Suffix	L ± 0.5
"A"	4
"B"	3

9

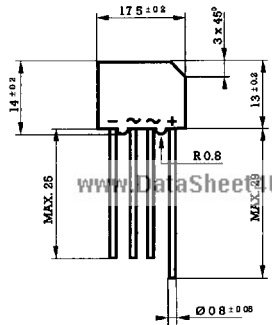
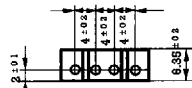


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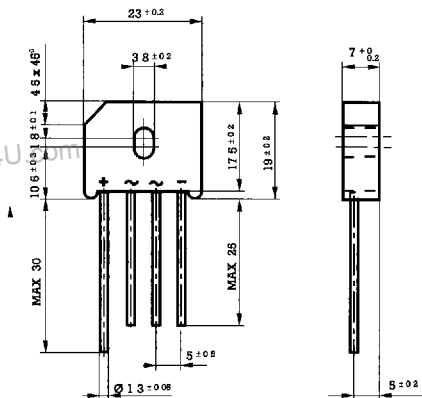
10



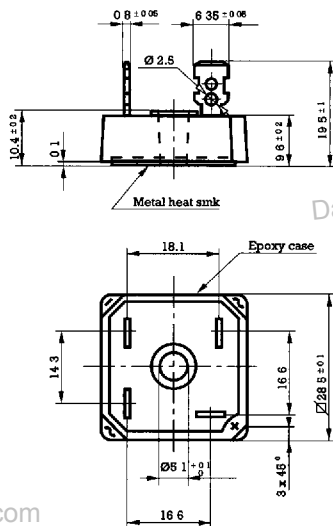
11



12

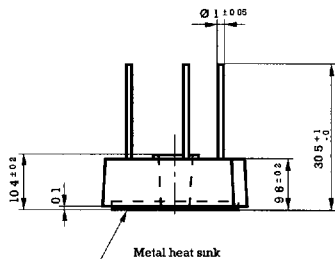


13



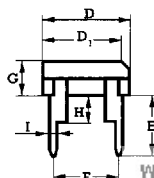
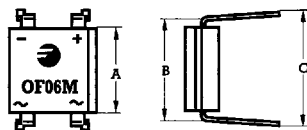
DataSheet4U.com

14



15

DF - M

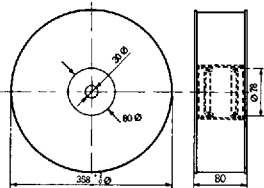
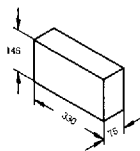
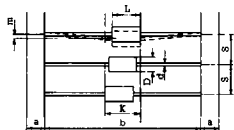


	mm	Pulgadas
A	6.2 - 6.5	0.245" - 0.255"
B	7.4 - 7.9	0.285" - 0.315"
C	7.6 - 8.9	0.300" - 0.350"
D	6.6 - 6.9	0.260" - 0.270"
D ₁	6 - 6.2	0.235" - 0.245"
E	3.8 ± 0.6	0.150" - 0.180"
F	5 - 5.2	0.195" - 0.205"
G	2.5 - 2.6	0.100" - 0.102"
H	1.27 - 2.03	0.045" - 0.060"
I	0.46 - 0.56	0.018" - 0.022"

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)	64	53 ±2	5 ±0.5	12	6 ±1	6000	2.5 kg (5.52 Lbs)
(2) DO15 (Plastic)	78.5	53 ±2	5 ±0.5	12	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)

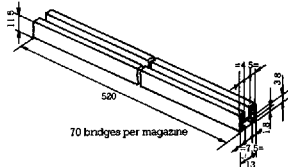
REEL PACKAGING



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)

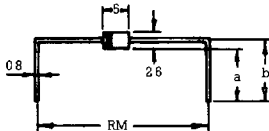
DIL PACKAGING ANTISTATIC PLASTIC TUB

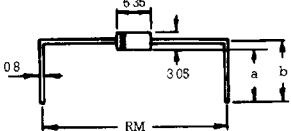


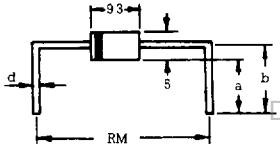
BOX PACKAGING

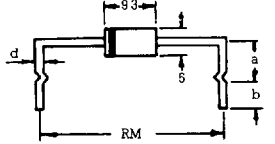
DEVICE TYPE (OUTLINE)	BOX SIZE	UNITS PER BOX	APROX GROSS WEIGHT
(6) (7) HVR3, HVR4, HVR062 (T) = Suffix E1	70 x 105 x 205	(6) 250 (7) 200	0.710 kg (1.560 Lbs)
(8) B C800, C1000, C1500 R, WL F, WF / (*A)	70 x 105 x 205	500 / (1.500)	0.650 kg (1.430 Lbs)
(9) B C1500/1000, C2000/1500	70 x 105 x 205	500	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	5600	4.0 kg (8.82 Lbs.)

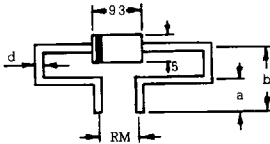
Plastic Cases

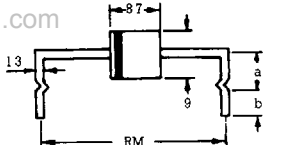
DO-41 	Type	Dimensions		
		a	b	RM
	C2-3	3 ± 0.5	43 ± 0.5	10 ± 0.5
	C2-5	10 ± 0.5	113 ± 0.5	10 ± 0.5
	C2-8	4 ± 0.5	53 ± 0.5	10 ± 0.5

DO-15 	Type	Dimensions		
		a	b	RM
	C2-3	3 ± 0.5	45 ± 0.5	10 ± 0.5
	C2-5	10 ± 0.5	115 ± 0.5	10 ± 0.5
	C2-8	4 ± 0.5	55 ± 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	1.5 ± 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	18.2 ± 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	18.2 ± 0.5
	C6-5	10 ± 0.5	5 ± 0.5	20 ± 0.5	

DO-201AD DO-27A (d = 1.27) 	DO-201AE (d = 1)	Dimensions		
		a	b	RM
	C4-2	4.8 ± 0.3	10.8 ± 0.3	7.5 ± 0.5

P-6 	Type	Dimensions		
		a	b	RM
	C6-1	10 ± 0.5	5 ± 0.5	18.2 ± 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	18.2 ± 0.5