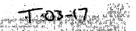
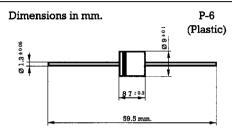
FAGOR ELECTRONICS

5 Amp. Fast Recovery Silicon Diodes





Mounting instructions

- 1. Mm. 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.

Voltage 50 to 600 V.

Current 5.0 A. at 55°C.

• Fast Recovery Diodes

- Diffused junction
- High surge capability
- The plastic material carries U/L recognition 94 V-0
- Terminals: Axial Leads
- Polarity: Color band denotes cathode

Maximum Ratings, according to IEC publication No. 134

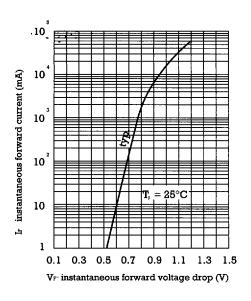
		MR 820	MR 821	MR 822	MR 824	MR 826	
V_{RRM}	Peak recurrent and non recurrent reverse voltage	50	100	200	400	600	
I _{F(AV)}	Forward current, R load at Tamb = 55 °C			5 A			
I _{FRM}	Recurrent peak forward current (A)		60 A				
I _{FSM}	8.3 ms. peak forward surge current (Jedec method)		300 A				
	$I_F = 1$ A to $V_R = 30$ V	200 ns				!	
t _n	Max. reverse recovery time from $I_F = 0.5 \text{ A}$ $I_R = 1 \text{ A}$ with $I_w = 0.25 \text{ A}$		150 ns				
T,	Max. operating temperature		+ 150°C				
T_{stg}	Storage temperature range		−65 to +150 °C				

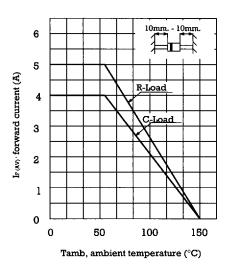
Electrical Characteristics at Tamb = 25°C

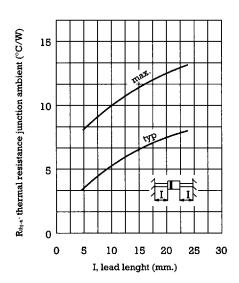
V _F	Max. forward voltage drop at $I_F = 5 \text{ A}$	1.0 V
I_R	Max. reverse current at V _{RRM} at 25 °C	25 μ Α
R _{thj-a}	Max. thermal resistance (I = 10 mm.)	10° C/W

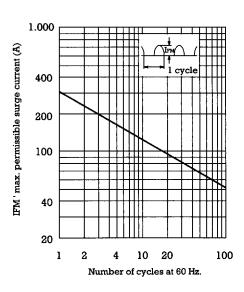
Characteristic Curves

FAGOR ELECTRONICS









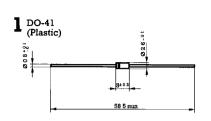


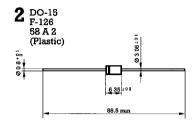
■ 3459325 0000841 081 ■FGRS

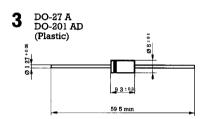
FAGOR ELECTRONICS T-91-20

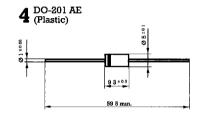
Package Outlines

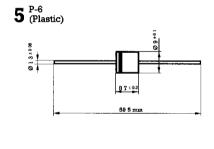


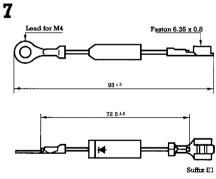


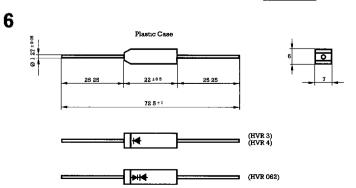










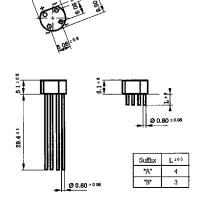


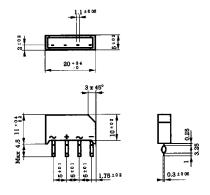


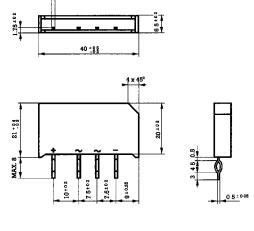
57E D === 3459325 0000842 T18 ===FGRS

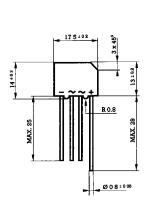
FAGOR ELECTRONICS











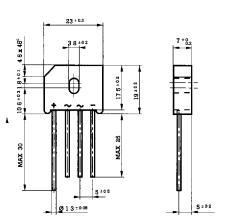
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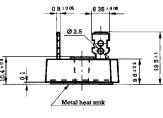


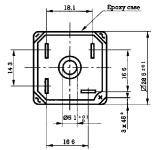
■ 3459325 0000843 954 ■FGRS FAGOR ELECTRONICS

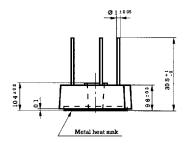
Package Outlines D

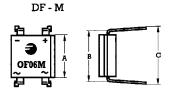
Dimensions in mm.

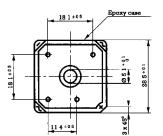












	D	
G‡	H	
	-F-	

	mm	Pulgadas
Α	62-65	0 245" - 0 255"
В	74-79	0 285" + 0 315"
С	76-89	0 300" + 0 350"
D	66+69	0 260* + 0 270*
D,	6 -62	0 235" + 0 245"
Е	38+46	0 150" + 0 180"
F	5 -52	0 195" - 0 205"
G	25-26	0 100*+0 102*
Н	1 27+ 2 03	0 045* + 0 060*
1	0 46 - 0 56	0 018" + 0 022"



■ 3459325 0000844 890 ■FGRS FAGOR ELECTRONICS

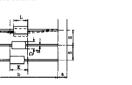
Packaging specifications

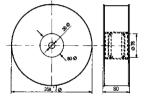
Dimensions in mm.

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

CASE TYPE (OUTLINE)		REEL DIMENSIONS					APROX GROSS WEIGHT PER	
(00111111/2)	K	b	S	m	a	REEL	REEL PACKED	
(1) DO41 (Plastic)	6 4	53 ±2	5±05	1 2	6 ± 1	6000	2.5 kg (5 52 Llbs)	
(2) DO15 (Plastic)	7 85	53 ± 2	5±05	12	6 ± 1	5000	23 kg (5.07 Lbs)	
(3) DO201AD (Plastic) (4) DO201AE (Plastic)	11	53 ± 2	10 ±05	1.2	6±1	1500	2 kg. (4.41 Lbs)	
(5) P-6 (Plastic)	11 27	53 ± 2	10 ±05	1.2	6 ± 1	1000	3 kg (661 Lbs)	

REEL PACKAGING





AMMO BOX PACKAGING (SUFFIX "AMP")

OUTLINES	BOX SIZE	UNITS PER BOX	APROX GROSS WEIGHT PER REEL PACKED
D0-41 (Plastic)	330 x 75 x 145	6000	2 20 kg (4 85 Lbs)
D0-15 (Plastic)	330 x 75 x 145	5000	2 20 kg (4 85 Lbs)
D0-201AD (Plastic)	330 x 75 x 145	1500	185 kg (408 Lbs)
D0-201ED (Plastic)	330 x 75 x 145	1500	185 kg (408 Lbs)
P-600	₹30 x 75 x 145	500	12 kg (265 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		0710 kg (1560 Lbs)
(8) B C800, C1000, C1500 R, WL F, WF / (*A*)	70 x 105 x 205	500 / (1.500)	0 650 kg (1 430 Llbs)
(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 Llbs)
(11) FBP, 2FBP	215 x 85 x 335	500	2 10 kg (4.62 Llbs)
(12) FBU 4 - 6 - 8	270 x 90 x 400	500	4 20 kg (9 23 Llbs)
(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	40 kg (882 Llbs.)



FAGOR . 57E D = 3459325 0000845 727 = FGRS

FAGOR ELECTRONICS

Standard lead forming specifications Dimensions in mm.



DO-41 P-6-1					
	<u> </u>	Туре	a	b	R M
08 RM	26 a b	C2-3 C2-5 C2-8	3±05 10±05 4±05	43±05 113±05 53±05	10±05 10±05 10±05

DO-15	6.36	m	Dimensions				
1		Туре	a	b	RM		
	08 30S a b	C2-3 C2-5 C2-8	3±05 10±05 4±05	45±05 115±05 55±05	10±05 10±05 10±05		

DO-201AD		DO-201AE		Dimensions			
DO-27A		(d = 1)	Туре	a	b	RM	
(d = 1 27)			C2 - 1	35±05	6 ±05	15 ±05	
	1− 93 −1		C2 - 2	4 ±05	65±05	15 ±05	
	<u> </u>		C2 - 4	75±03	10 ±03	178± 015	
		1	C2 - 6	35±05	6 ±05	175±05	
			C2 - 7	45±05	7 ±05	21 ±05	
	, ,		C2 - 11	45±0.5	7 ±05	175±05	
	Ÿ Ÿ <u></u>		C2 - 12	125±05	15 ±05	175±05	
	RM —		C2 - 13	16 ±05	185±05	152±05	
			C2 - 14	75±05	10 ±05	15 ±05	
			C2 - 17	4 ±05	65±05	20 ±05	

DO-201AD ==93=	DO-201AE		Dimensions			
DO-27A (d = 1 27)	(d = 1)	Туре	a	b	RM	
(d = 121)	a b b	C6-1 C6-2 C6-3 C6-4 C6-5	10 ±05 10 ±05 7 ±05 135±05 10 ±05	5±05 5±05 5±05 5±05 5±05 5±0.5	15 2 ± 0 5 17 5 ± 0.5 21 ± 0 6 15 2 ± 0 5 20 ± 0 5	

DO-201AD	₩93 ₩ DO-201	AE	Dimensions			
DO-27A	(d=1)	Type	a	b	RM	
(d = 1.27)	d s b	C4-2	45±03	10.5±03	75±05	

P-6	Туре	Dimensions		
		a	b	RM
13 a a b b	C6-1 C6-2 C6-3 C6-4	10 ±05 10 ±05 7 ±05 135±05	5±05 5±05 5±05 5±05	152±05 175±05 21 ±05 152±05