Packages

Dimensions mm (inch)

Fig. 1-4

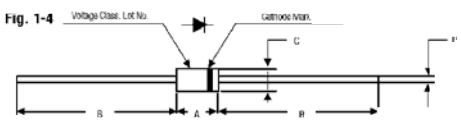


Figure	A		B		C		D	
	mm	In.	mm	In.	mm	In.	mm	In.
1	3.0	0.120	25 min.	0.98	Ø2.5	Ø0.10	Ø0.58	Ø0.02
2	5.0	0.200	25 min.	0.98	Ø3.0	Ø0.12	Ø0.60	Ø0.02
3	7.5	0.295	25 min.	0.98	Ø4.0	Ø0.157	Ø0.80	Ø0.03
4	7.5	0.295	30 min.	1.18	Ø6.4	Ø0.25	Ø1.20	Ø0.05

Fig. 5
"03PF"

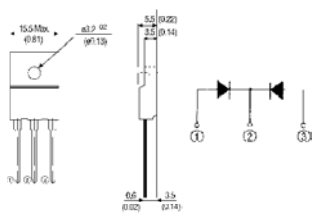


Fig. 6

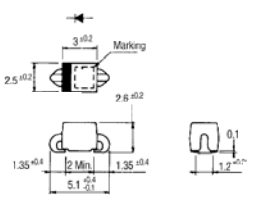


Fig. 7

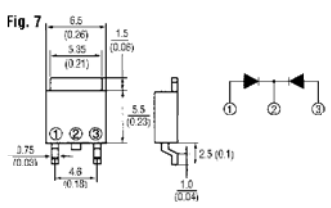


Fig. 8

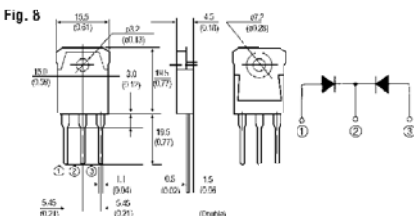


Fig. 9
SMA

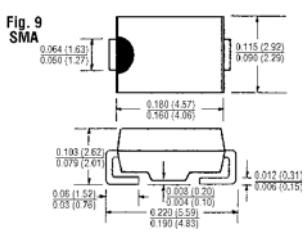


Fig. 10
TO-220F15*

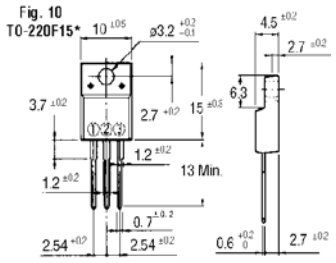
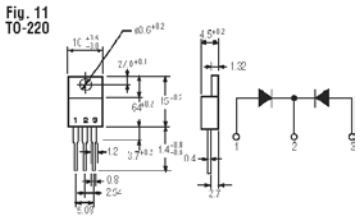


Fig. 11
TO-220



*Full molded package eliminates the need for isolating hardware and greatly reduces your cost as compared with mounting non-isolated package. Contact Allied for information on complete line availability on TO220 and T03P devices.

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Schottky Barrier Rectifiers

Mfr.'s Type	Fig.	Maximum Ratings		I_{FSM}*2 Amps	Characteristics (T_a = 25°C) V_{FM} Max. Volts	I_{RRM}*3 Max. mA
		V_{RRM} Volts	I_O*1 Amps			
ERA82-004	1	45	0.60 (T_a = 60°C)	25	0.55 (I_F = 0.6 A)	1.0
ERA83-006	1	60	1.00 (T_l = 111°C)	30	0.58 (I_F = 1.0 A)	2.0
ERA81-004	2	45	1.00 (T_a = 25°C)	50	0.55 (I_F = 1.0 A)	2.0
ERA84-009	2	90	1.00 (T_a = 25°C)	30	0.90 (I_F = 1.0 A)	1.0
ERB81-004	3	45	2.00 (T_a = 25°C)	100	0.55 (I_F = 2.0 A)	5.0
ERC81-004	4	45	3.00 (T_a = 25°C)	120	0.55 (I_F = 3.0 A)	5.0
ERC815-004	4	45	5.00 (T_a = 25°C)	140	0.55 (I_F = 3.0 A)	5.0
ESAD83M-006	5	60	30.00 (T_c = 75°C)	200	0.58 (I_F = 12.5 A)	20.0
SC802-04	6	45	1.00 (T_l = 115°C)	40	0.55 (I_F = 1.0 A)	2.0
SC802-06	6	60	1.00 (T_l = 111°C)	30	0.58 (I_F = 1.0 A)	2.0
KS823C04*	7	45	5.00 (T_c = 87°C)	60	0.55 (I_F = 2.5 A)	5.0

Notes: ( ) indicates conditions. **Other Conditions:** *1Square wave duty 1/2. *2Sine wave, 10 ms. *3V_R = V_{RRM}. *Dual schottky. **Thermal Ratings:** –40 to +125°C.

Fast Recovery Rectifiers

Mfr.'s Type	Fig.	Maximum Ratings		I_{FSM}*2 Amps	Characteristics (T_a = 25°C)		T_{RR} µS
		V_{RRM} Volts	I_O*1 Amps		V_{FM} Max. Volts	I_{RRM}*3 Max. µA	
ERA34-10	1	1000	0.1 (T_a = 60°C)	2	3.00 (I_F = 0.1 A)	50	0.150 (I_F = I_R = 0.1 A)
ERA92-02	1	200	1.0 (T_a = 25°C)	25	1.05 (I_F = 1.0 A)	50	0.035 (I_F = 0.1 A, I_R = 0.2 A)
PA905C4	8	400	20.0 (T_c = 92°C)	80	1.50 (I_F = 10.0 A)	500	0.050 (I_F = 0.1 A, I_R = 0.2 A)
ES1B	9	100	1.0 (T_L = 110°C)	30	0.98 (I_F = 1.0 A)	200	0.020 (I_F = 0.5 A, I_R = 1.0 A)
YG902C2R	10	200	10.0 (T_c = 115°C)	50	0.95 (I_F = 5.0 A)	100	0.035 (I_F = 0.1 A, I_R = 0.2 A)
YG906C2R	10	200	20.0 (T_c = 102°C)	80	0.98 (I_F = 10.0 A)	200	0.035 (I_F = 0.1 A, I_R = 0.2 A)
ESAC92-02B	11	200	16.0 (T_c = 105°C)	50	0.98 (I_F = 8.0 A)	100	0.035 (I_F = 0.1 A, I_R = 0.2 A)
ESAD92-02B	8	200	30.0 (T_c = 98°C)	100	0.98 (I_F = 15.0 A)	200	0.040 (I_F = 0.1 A, I_R = 0.2 A)
SC311-4	6	400	0.5 (T_a = 25°C)	10	2.50 (I_F = 0.5 A)	50	0.050 (I_F = 0.1 A, I_R = 0.2 A)
SC902-02	6	200	1.0 (T_a = 25°C)	25	1.05 (I_F = 1.0 A)	50	0.035 (I_F = 0.1 A, I_R = 0.2 A)

Notes: ( ) Indicates conditions. **Other Conditions:** *1Single phase, sine half wave. *2 1/2 cycle, 50 Hz. *3V_R = V_{RRM}. Additional full molded packages available. **Thermal Ratings:** –40°C to +150°C.