

Schottky-Barrier Diodes

Dual package

2238792 0001269 7 T-23-07
 COLLMER SEMICONDUCTOR INC 25E D
 T-23-09

Ratings and characteristics

Type	Maximum ratings		I_{FSM}^{*2} Amps.	Thermal ratings Tj and Tstg °C	Characteristics (Ta=25°C)		Net weight Grams	Dimensions Fig. No.
	V_{RRM} Volts	I_o^{*1} Amps.			V_{FM} Max. Volts	I_{RRM}^{*3} Max. mA		
SE024	40	0.95 (Ta=25°C)	5	-40 to +125	0.55 (If=0.3A)	2.0	0.6	Fig. 1
ESAB82-004	40	5.0 (Tc=103°C)	100	-40 to +125	0.55 (If=2.0A)	5.0	2.0	Fig. 2
ESAB82M-004	40	5.0 (Tc=103°C)	100	-40 to +125	0.55 (If=2.0A)	5.0	2.3	Fig. 3
ESAB82M-006	60	5.0 (Tc=103°C)	60	-40 to +125	0.58 (If=2.0A)	5.0	2.3	Fig. 3
ESAB85-009	90	5.0 (Tc=95°C)	60	-40 to +125	0.9 (If=2.0A)	2.0	2.0	Fig. 2
ESAB85M-009	90	5.0 (Tc=95°C)	60	-40 to +125	0.9 (If=2.0A)	2.0	2.3	Fig. 3
ESAC82-004	40	10 (Tc=97°C)	120	-40 to +125	0.55 (If=4.0A)	5.0	2.0	Fig. 2
ESAC82M-004	40	10 (Tc=95°C)	120	-40 to +125	0.55 (If=4.0A)	5.0	2.3	Fig. 3
ESAC82M-006	60	10 (Tc=92°C)	80	-40 to +125	0.58 (If=4.0A)	5.0	2.3	Fig. 3
ESAC85-009	90	10 (Tc=92°C)	80	-40 to +125	0.9 (If=4.0A)	5.0	2.0	Fig. 2
ESAC85M-009	90	10 (Tc=92°C)	80	-40 to +125	0.9 (If=4.0A)	5.0	2.3	Fig. 3
ESAC61-004	40	12 (Tc=100°C)	120	-40 to +125	0.6 (If=6.0A)	5.0	5.5	Fig. 4
ESAC87-009	90	16 (Tc=90°C)	100	-40 to +125	0.9 (If=6.0A)	10	5.5	Fig. 4
ESAC83-004	40	20 (Tc=95°C)	120	-40 to +125	0.55 (If=8.0A)	15	5.5	Fig. 4
ESAC83M-004	40	20 (Tc=79°C)	120	-40 to +125	0.55 (If=8.0A)	15	6.0	Fig. 5
ESAC63-004	45	20 (Tc=92°C)	120	-40 to +125	0.6 (If=10A)	15	2.0	Fig. 2
ESAC83M-006	60	20 (Tc=78°C)	120	-40 to +125	0.58 (If=8.0A)	15	6.0	Fig. 5
ESAD85-009	90	25 (Tc=90°C)	150	-40 to +125	0.9 (If=10A)	20	5.5	Fig. 4
ESAD83-004	40	30 (Tc=90°C)	250	-40 to +125	0.55 (If=12.5A)	20	5.5	Fig. 4
ESAD83M-004	40	30 (Tc=79°C)	250	-40 to +125	0.55 (If=12.5A)	20	6.0	Fig. 5
ESAD83M-006	60	30 (Tc=75°C)	200	-40 to +125	0.58 (If=12.5A)	20	6.0	Fig. 5
ESAE83-004	40	60 (Tc=84°C)	500	-40 to +125	0.55 (If=25A)	50	5.5	Fig. 4
ESAC81-004	40	8.0 (Tc=90°C)	120	-40 to +125	0.5 (If=4.0A)	50 **	5.7	Fig. 6
ESAD81-004	40	15 (Tc=100°C)	250	-40 to +125	0.5 (If=10A)	100 **	18	Fig. 7
ESAD89-009	90	25 (Tc=90°C)	150	-40 to +125	0.9 (If=10A)	100 **	18	Fig. 7

Notes: () indicates conditions
 Other conditions
 *1 Square wave duty 1/2
 *2 Sine wave, 10ms.

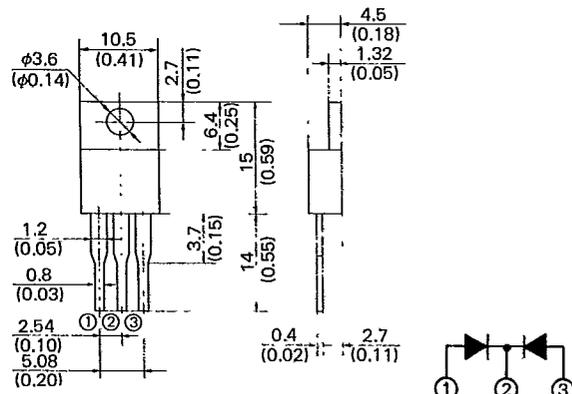
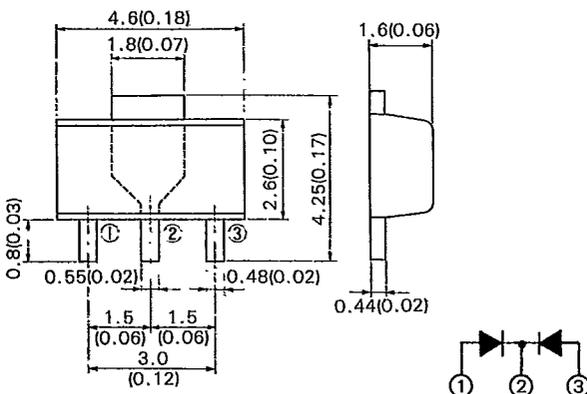
*3 $V_R = V_{RRM}$
 *4 $T_j = 125^\circ\text{C}$

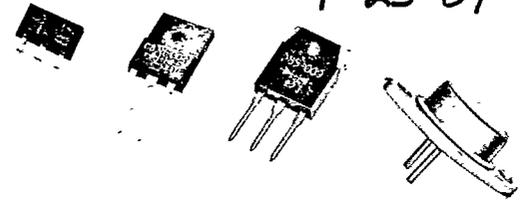
Dimensions

mm
(inch)

Fig. 1 SC-62/SOT89

Fig. 2 TO-220AB





Dimensions

mm
(inch)

Fig. 3 TO-220F (Full molded package)

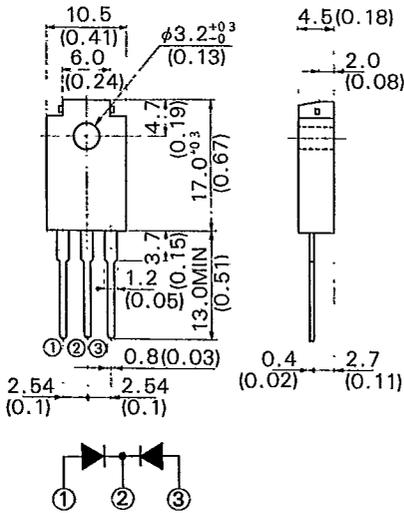


Fig. 4 TO-3P

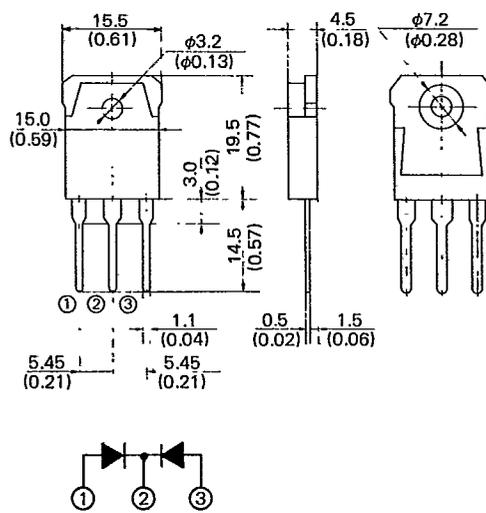


Fig. 5 TO-3PF (Full molded package)

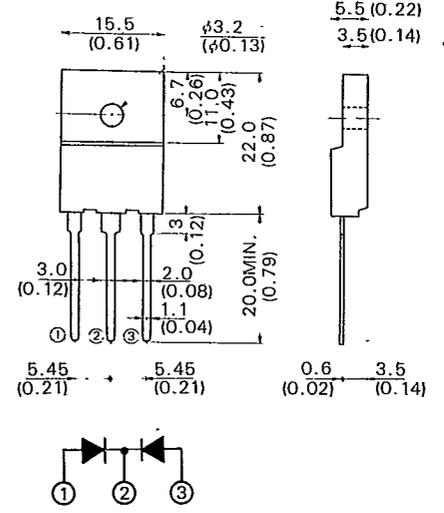


Fig. 6 TO-66

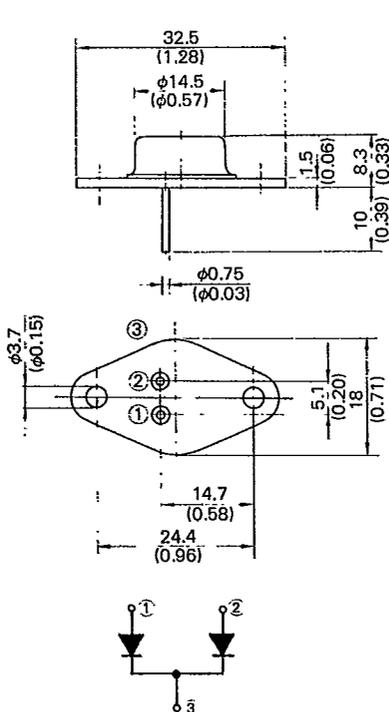


Fig. 7 TO-3

