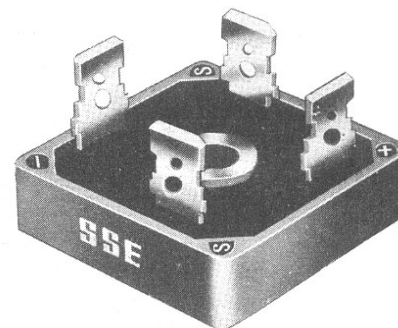


MODULAR RECTIFIER BRIDGES

- * Electrically Isolated Metal Case
- * Upto 400 Amperes Surge Capability
- * Universal 3-way terminals - 6.3mm Faston
- * Wide temperature range: - 40°C to 170°C.
- * High frequency MRBs (upto 100 KHz) on request



MAXIMUM ELECTRICAL RATINGS & CHARACTERISTICS

I_L (AV)	Average Forward Load Current @ $T_C = 55^\circ\text{C}$	SRM10	10 A
		SRM25	25 A
		SRM35	35 A
I_{FSM}	Non-repetitive Peak Forward Current	SRM10	200 A
		SRM25	300 A
		SRM35	400 A
V_{FM}	Peak Forward Voltage at rated Current (per leg)		1.2 V
I_{RRM}	Peak Reverse Current (per leg)	$T_J = 25^\circ\text{C}$	0.01 mA
		Rated $T_{J(MAX)}$	= 2.0 mA
f	Operating Frequency range		40 - 2000 Hz

THERMAL & MECHANICAL DATA

$R_{\theta JC}$	Thermal Resistance:	Junction to Case	1.5°C/W
		Junction to Ambient	10.0°C/W
T_{STG}, T_{JM}	Operating & Storage	Temperature Range	-40°C to +170°C
W	Approximate weight		20 g

POLARITY + DC output)
 - DC output) Terminal designation embossed on Metal Case.
 ~ AC input)

CASE Metal, isolated from terminals, isolation voltage: 2500V_{RMS}.

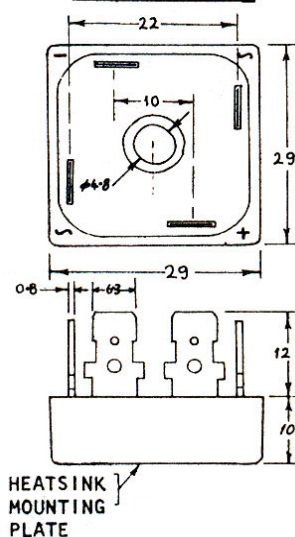
MOUNTING Bolt down, any position, use 3/16 bolt with spring/belleve washer. Mounting torque = 0.2 kg-M. Use thermal grease on flat side opposite terminals, when mounting on heatsink or chassis or metal plate; this will ensure maximum heat dissipation. Metal filled epoxies may also be used instead of bolting.

TERMINALS 6.35mm Faston, 3-way suitable for snap-on, warp around or soldering, Corrosion resistant. Soldering (at 180°C for 15 sec. with MRB on heatsink) is recommended for load of 15 Amps and above.

TYPE NUMBERS & VOLTAGE RATINGS (VOLTS)

		SRM10B	SRM10D	SRM10M	SRM10N	SRM10P	SRM10PB	SRM10PD
		SRM25B	SRM25D	SRM25M	SRM25N	SRM25P	SRM25PB	SRM25PD
		SRM35B	SRM35D	SRM35M	SRM35N	SRM35P	SRM35PB	SRM35PD
V_{RRM}	Peal Reverse Volts (per leg)	200	400	600	800	1000	1200	1400
V_R	DC Blocking Volts (per leg)							
V_R (RMS)	RMS Input Voltage	50	110	220	250	300	440	480
V_{DC}	DC Output Voltage							
	Resistive / Inductive Load	45	100	200	225	270	400	450
	Capacitive Load	70	150	300	350	420	565	650

OUTLINE DRAWING



ALL DIMENSIONS IN MM.

RATING AND CHARACTERISTIC CURVES

FIG. 1

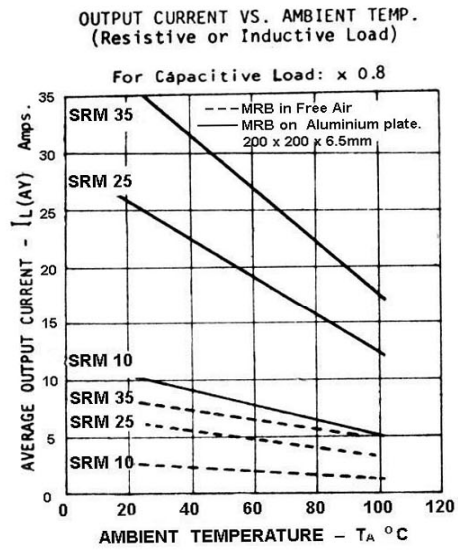


FIG. 2

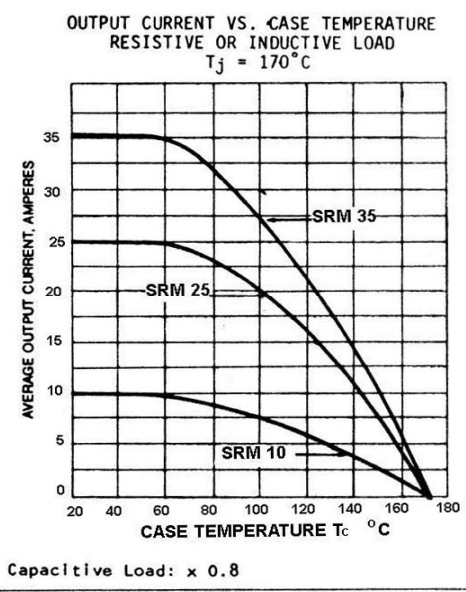


FIG. 3

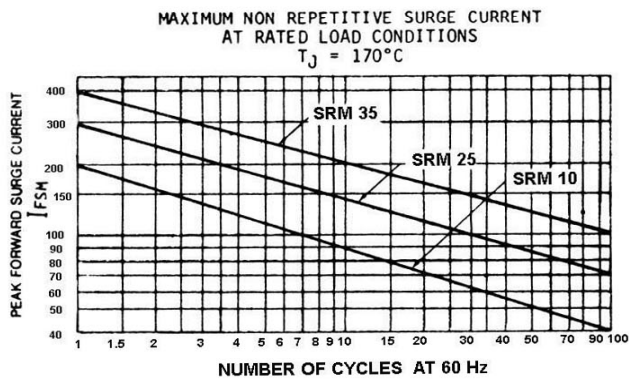
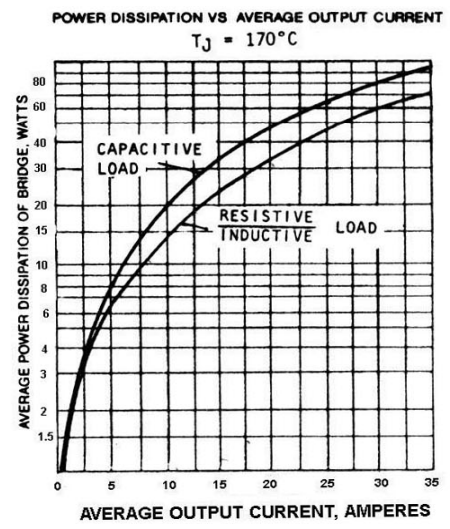


FIG. 4



Manufactured by:



SOLID STATE ELECTRONICS CO. P. LTD.

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