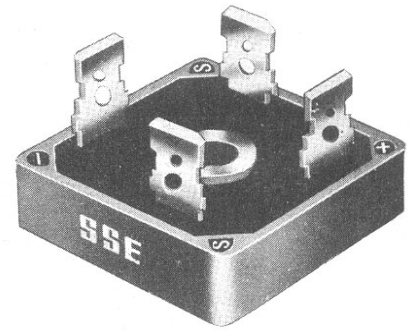


FAST & ULTRA FAST RECOVERY MODULAR RECTIFIER BRIDGES

- * Electrically Isolated Metal Case
- * Upto 400 Amperes Surge Capability
- * Universal 3-way terminals - 6.3mm Faston
- * Wide temperature range: - 40°C to 150°C
- * High frequency MRBs upto 100 KHz



MAXIMUM ELECTRICAL RATINGS & CHARACTERISTICS

I_L (AV)	Average Forward Load Current @ $T_C = 55^\circ\text{C}$	SRMF10 / SRMUF10...	10 A
		SRMF25 / SRMUF25...	25 A
		SRMF35 / SRMUF35...	35 A
I_{FSM}	Non-repetitive Peak Forward Current	SRMF10 / SRMUF10...	200 A
		SRMF25 / SRMUF25...	300 A
		SRMF35 / SRMUF35...	400 A
V_{FM}	Peak Forward Voltage at rated Current (per leg)		1.7 V
I_{RRM}	Peak Reverse Current (per leg)	$T_J = 25^\circ\text{C}$	0.01 mA
		Rated $T_{J(MAX)}$	= 2.0 mA
T_{RR}	Fast Recovery (Suffix F after SRM)		100 nsec and 200 nsec.
	Ultra Fast Recovery (Suffix UF after SRM)		50 nsec.

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 +150°C
W	Approximate weight		20 g
POLARITY	+ DC output) - DC output) ~ AC input)	Terminal designation embossed on Metal Case.	

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

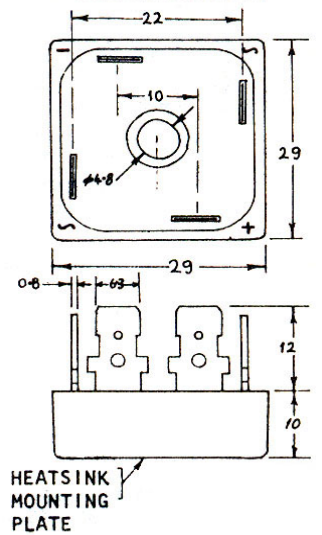
MOUNTING Bolt down, any position, use 3/16 bolt with spring/belleville washer. Mounting torque = 0.2 kg-M. Use thermal grease on flat side opposite terminals, when mounting on heatsink or chassis or metal plate; this will ensure maximum heat dissipation. Metal filled epoxies may also be used instead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

		SRM...10B	SRM...10D	SRM...10M	SRM...10N	SRM...10P	SRM...10PB
		SRM...25B	SRM...25D	SRM...25M	SRM...25N	SRM...25P	SRM...25PB
		SRM...35B	SRM...35D	SRM...35M	SRM...35N	SRM...35P	SRM...35PB
V_{RRM}	Peak Reverse Voltage (per leg)	200	400	600	800	1000	1200
V_R	DC Blocking Voltage (per leg)						
V_R (RMS)	RMS Input Voltage	50	110	220	250	300	440
V_{DC}	DC Output Voltage						
	Resistive / Inductive Load	45	100	200	225	270	400
	Capacitive Load	70	150	300	350	430	565
T_{RR}	Reverse Recovery Time (nsec.)	100	100	100	200	200	200

OUTLINE DRAWING



ALL DIMENSIONS IN MM.

RATING AND CHARACTERISTIC CURVES

FIG. 1

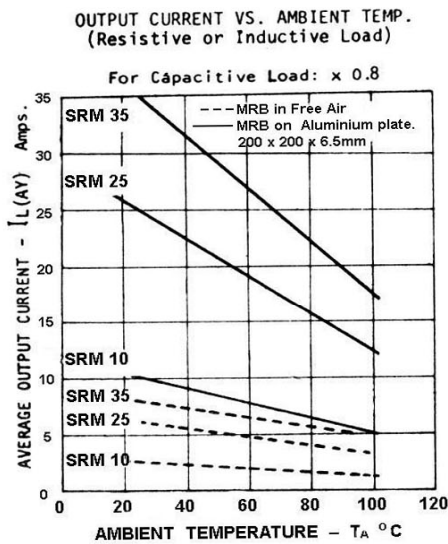


FIG. 2

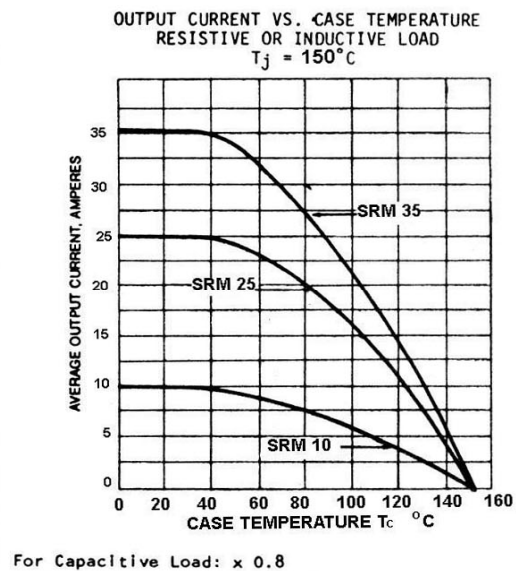


FIG. 3

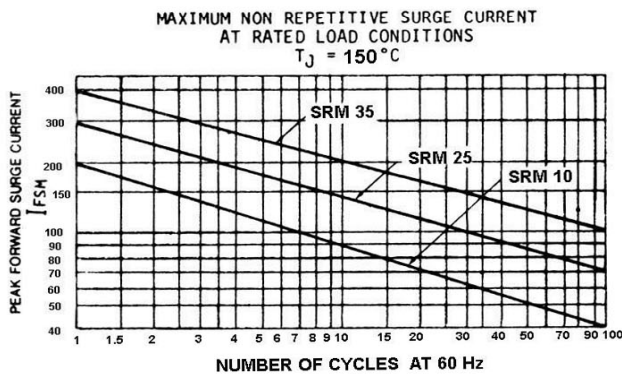
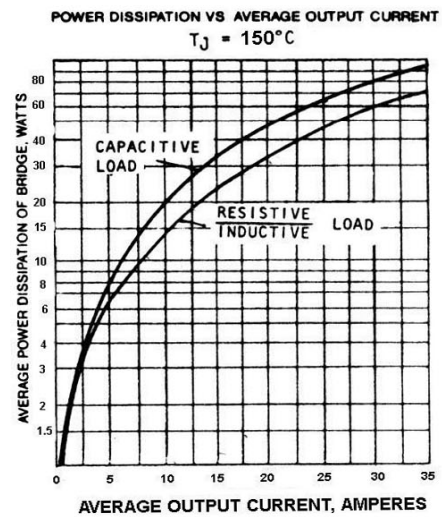


FIG. 4



Manufactured by:



SSE[®]



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Marol Sagbaug, Andheri (East), Mumbai 400 059

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