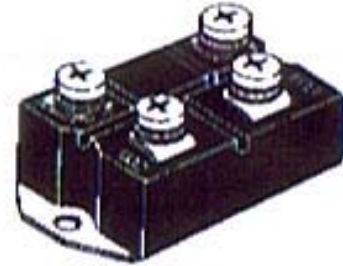


HIGH POWER RECTIFIER BRIDGES

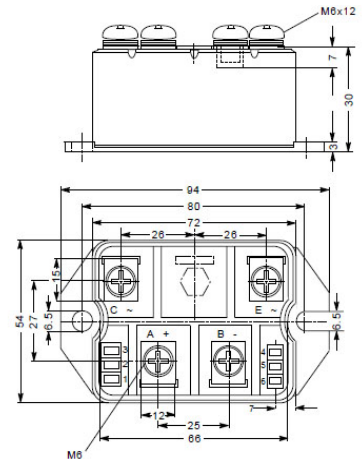
- * Electrically Isolated Metal Case
- * Upto 2800 Amperes Surge Capability
- * Terminals M6 X 12
- * Wide temperature range: - 40°C to 170°C.
- * High frequency Bridges (upto 100 KHz) on request



MAXIMUM ELECTRICAL RATINGS & CHARACTERISTICS

I_L (AV)	Average Forward Load Current @ $T_C = 55^\circ\text{C}$	SRM100	100 A
		SRM150	150 A
		SRM200	200 A
I_{FSM}	Non-repetitive Peak Forward Current	SRM100	1800 A
		SRM150	2400 A
		SRM200	2800 A
V_{FM}	Peak Forward Voltage at rated Current (per leg)		1.3 V
I_{RRM}	Peak Reverse Current (per leg)	$T_J = 25^\circ\text{C}$	0.5 mA
		Rated $T_{J(MAX)}$	= 5.0 mA
f	Operating Frequency range		40 - 2000 Hz

Dimensions in mm (1 mm = 0.0394")



THERMAL & MECHANICAL DATA

$R_{\theta JC}$	Thermal Resistance: Junction to Case	0.25°C/W
T_{STG}, T_{JM}	Operating & Storage Temperature Range	-40°C to +170°C
W	Approximate weight	350 g
POLARITY	+ DC output) - DC output) ~ AC input)	Terminal designation on case.

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

MOUNTING Bolt down, any position, use M6 bolt with spring/belleville washer. Use thermal grease on flat side opposite terminals, when mounting on heatsink or chassis or metal plate; this will ensure maximum heat dissipation.

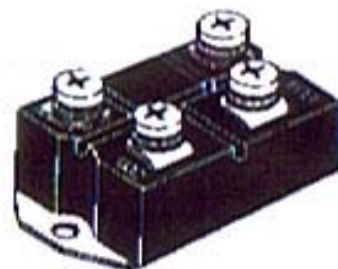
TERMINALS M6 X 12

TYPE NUMBERS & VOLTAGE RATINGS (VOLTS)

		SRM100B	SRM100D	SRM100M	SRM100N	SRM100P	SRM100PB	SRM100PD
		SRM150B	SRM150D	SRM150M	SRM150N	SRM150P	SRM150PB	SRM150PD
		SRM200B	SRM200D	SRM200M	SRM200N	SRM200P	SRM200PB	SRM200PD
V_{RRM}	Peak 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

FAST RECOVERY HIGH POWER RECTIFIER BRIDGES

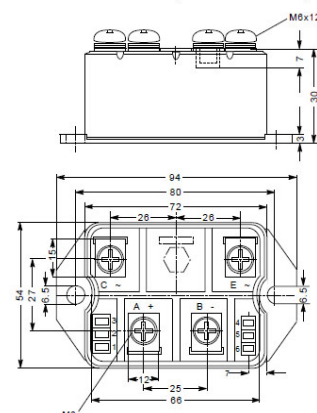
- * Electrically Isolated Metal Case
- * Upto 2200 Amperes Surge Capability
- * Terminals M6 X 12
- * Wide temperature range: - 40°C to 150°C
- * High frequency Bridges upto 100 KHz



MAXIMUM ELECTRICAL RATINGS & CHARACTERISTICS

I_L (AV)	Average Forward Load Current @ $T_C = 55^\circ\text{C}$	SRMF100	100 A
		SRMF150	150 A
		SRMF200	200 A
I_{FSM}	Non-repetitive Peak Forward Current	SRMF100	1500 A
		SRMF150	1800 A
		SRMF200	2200 A
V_{FM}	Peak Forward Voltage at rated Current (per leg)		1.5 V
I_{RRM}	Peak Reverse Current (per leg)	$T_J = 25^\circ\text{C}$	0.5 mA
		Rated $T_{J(MAX)}$	= 5.0 mA
T_{RR}	Fast Recovery (Suffix F after SRM)		100 nsec. ($\leq 600\text{V}$)
			200 nsec. ($\leq 1200\text{V}$)

Dimensions in mm (1 mm = 0.0394")



THERMAL & MECHANICAL DATA

$R_{\theta JC}$	Thermal Resistance: Junction to Case	0.25°C/W
T_{STG}, T_{JM}	Operating & Storage Temperature Range	-40°C to +150°C
W	Approximate weight	350 g
POLARITY	+ DC output) - DC output) ~ AC input)	Terminal designation on case.

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

MOUNTING Bolt down, any position, use M6 bolt with spring/belleville washer. Use thermal grease on flat side opposite terminals, when mounting on heatsink or chassis or metal plate; this will ensure maximum heat dissipation.

TERMINALS M6 X 12

TYPE NUMBERS & VOLTAGE RATINGS (VOLTS)

		SRMF100B	SRMF100D	SRMF100M	SRMF100N	SRMF100P	SRMF100PB
		SRMF150B	SRMF150D	SRMF150M	SRMF150N	SRMF150P	SRMF150PB
		SRMF200B	SRMF200D	SRMF200M	SRMF200N	SRMF200P	SRMF200PB
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

