



Ruttonsha International Rectifier Ltd.

25 AMPERE SINGLE PHASE BRIDGE

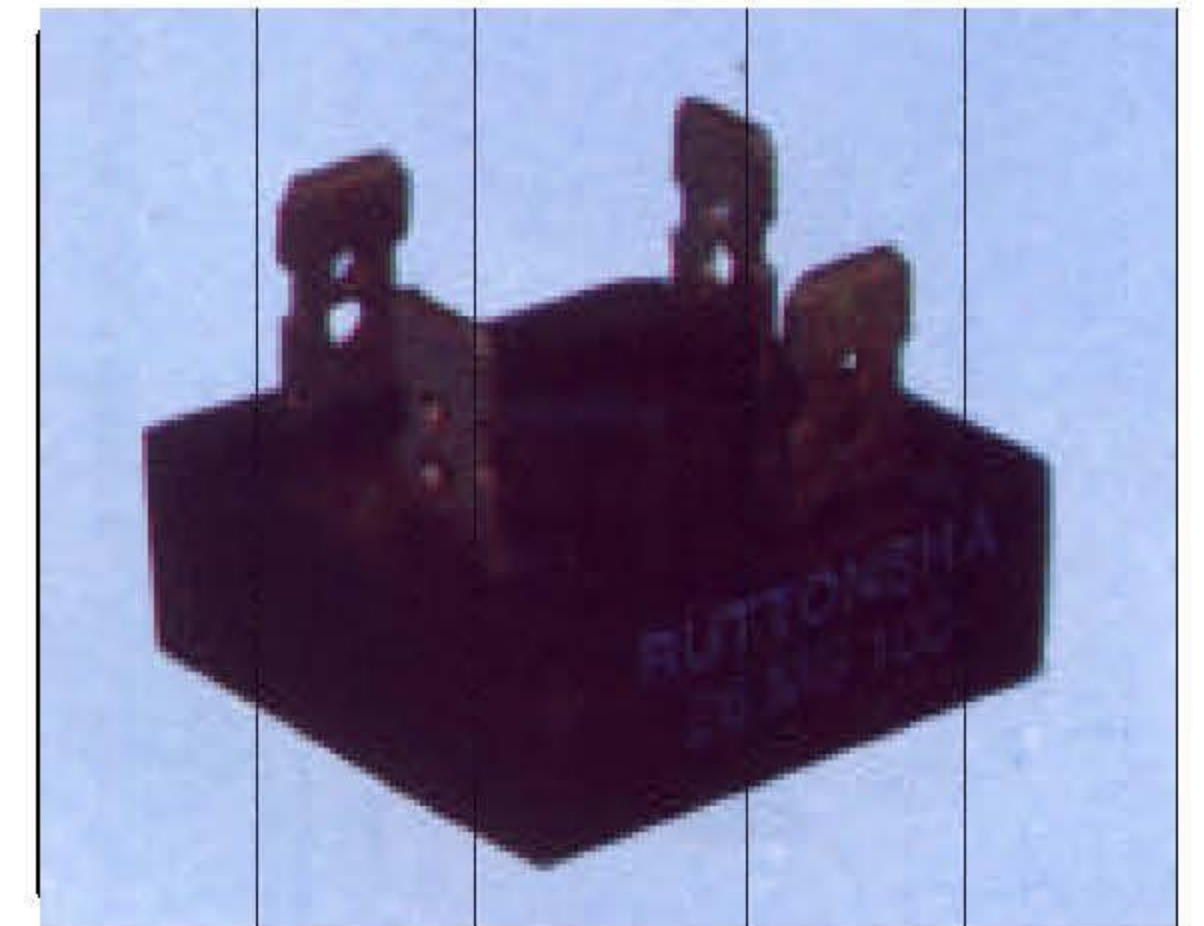
Type : 26MB10A - 26MB120A

FEATURES

- ❖ Universal, 3 way terminals; snap-on, wrap around or solder.
- ❖ High thermal conductivity, electrically insulated case.
- ❖ Central hole fixing.
- ❖ Excellent power / volume ratio.

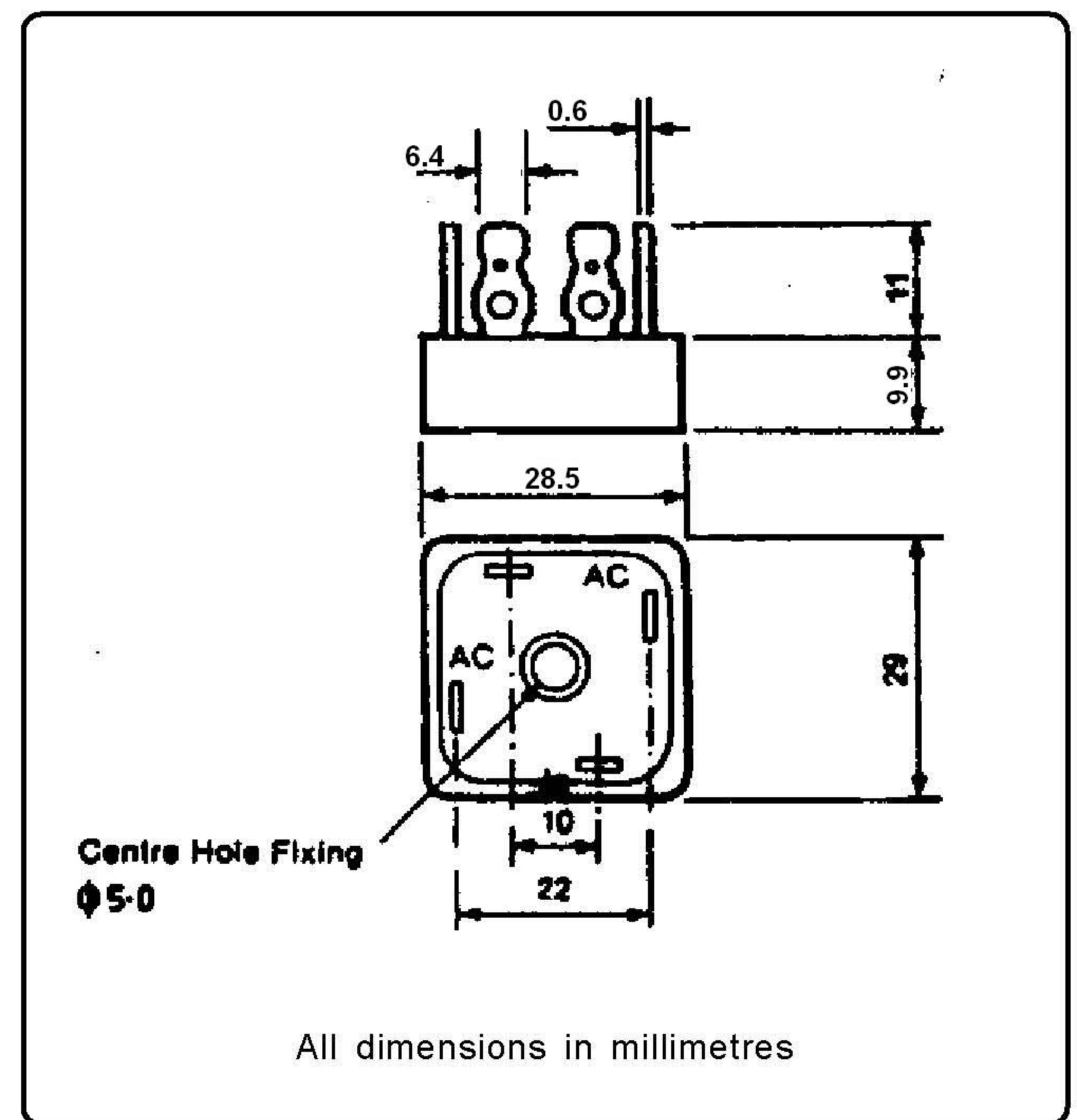
ELECTRICAL RATINGS & CHARACTERISTICS

$I_{O(AV)}$	Maximum average output current $T_{case} = 55^{\circ}C$; resistive, inductive load (R) capacitive load (C)	25 A 20 A
I_{FSM}	Maximum peak one cycle, non-repetitive forward current; 20ms 16.7ms	330 A 362 A
I^2t	Maximum I^2t for fuse selection; 10ms, 8.3ms	545 A ² s
V_{FM}	Maximum peak forward voltage drop per diode, $I_{O(AV)} = 25 A (39.3 Apk)$	1.1 V
I_{RM}	Maximum peak reverse current per diode at rated V_{RRM} $T_J = 25^{\circ}C$ $T_J = T_{Jmax}$	100 μA 2.0 mA
V_{INS}	RMS isolation voltage, circuit to base	2700 V



THERMAL & MECHANICAL DATA

T	Operating and storage temperature range 26MB10A -26MB120A	-40 to +150°C
R_{thjc}	Thermal impedance, junction to case 26MB10A -26MB120A	1.4 deg. C/W
R_{thcs}	Thermal resistance, case to sink (greased)	0.2 deg. C/W
f	Operating frequency range	40 to 1000 Hz
W	Approximate weight	20 gms.

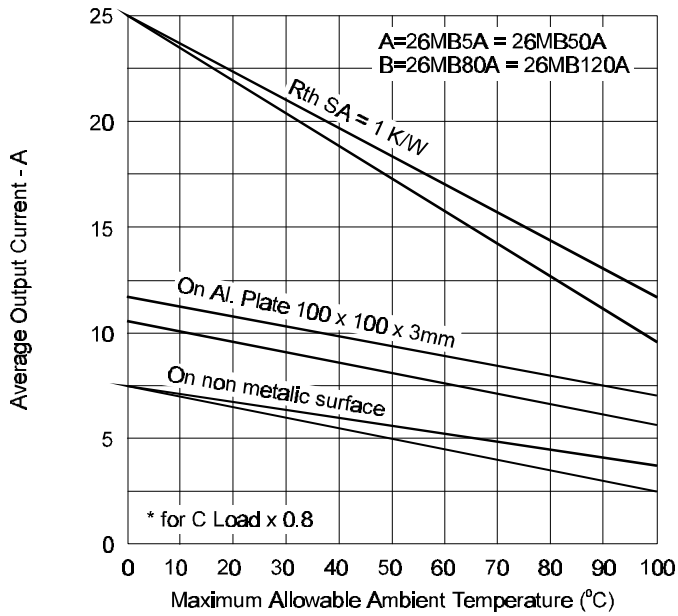


VOLTAGE & APPLICATION DATA

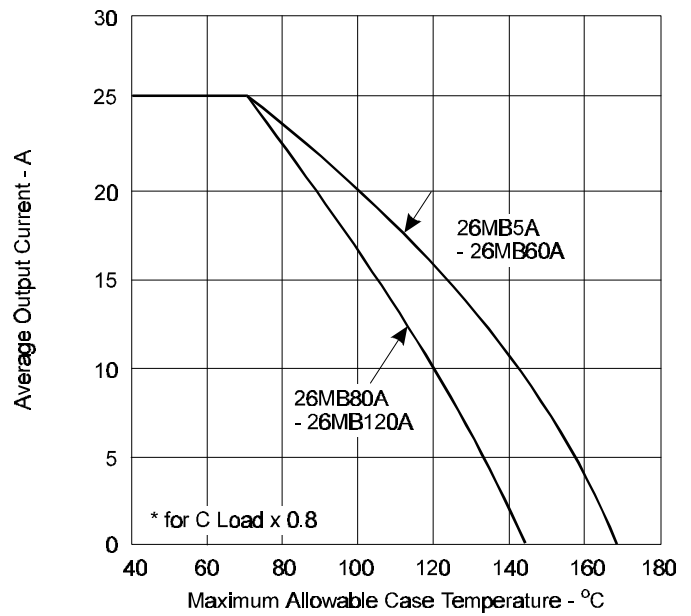
TYPE NUMBER	26MB10A	26MB20A	26MB40A	26MB60A	26MB80A	26MB100A	26MB120A
V_{RRM} Maximum repetitive peak reverse voltage (V)	100	200	400	600	800	1000	1200
V_{RSM} Maximim non-repetitive peak reverse voltage (V)	150	300	500	700	900	1100	1300

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**Fig. 1 - Current Ratings
(Resistive / Inductive Load)***



**Fig. 2 - Case Temperature Ratings
(Resistive / Inductive Load)***

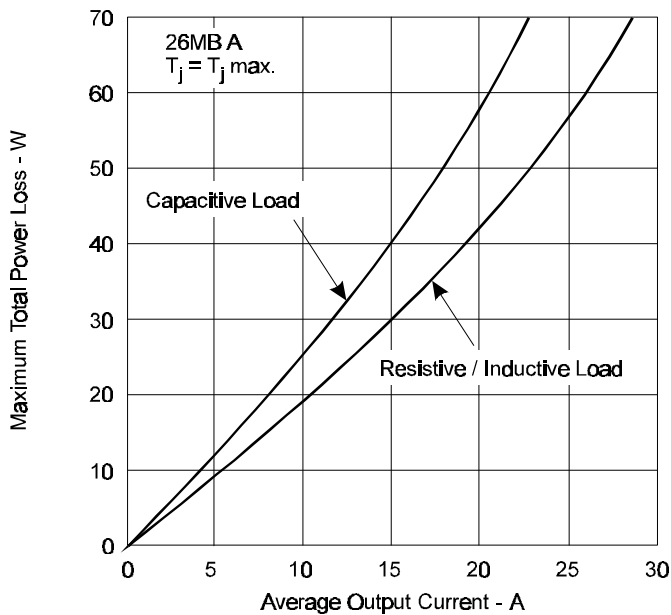


Fig. 3 - Power Loss Characteristics

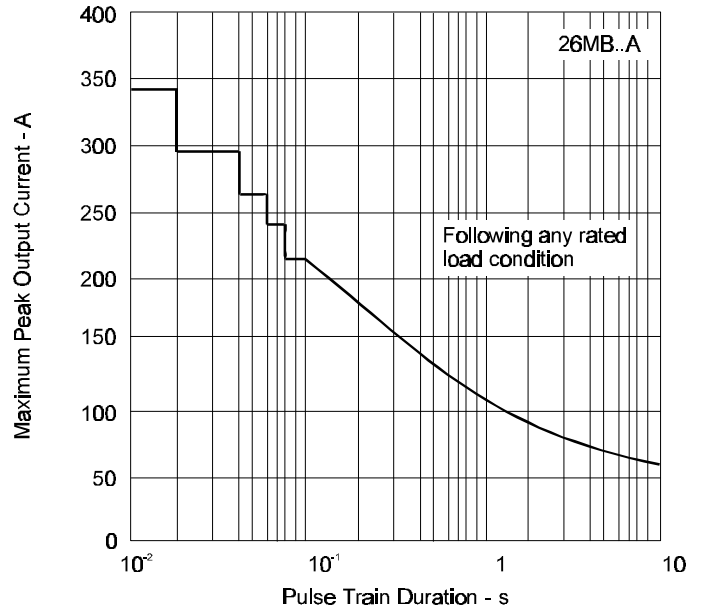


Fig. 4 - Non Repetitive Surge Current Ratings