Ruttonsha International Rectifier Ltd.

25 AMPERE THREE PHASE BRIDGE

RUTTONSHA

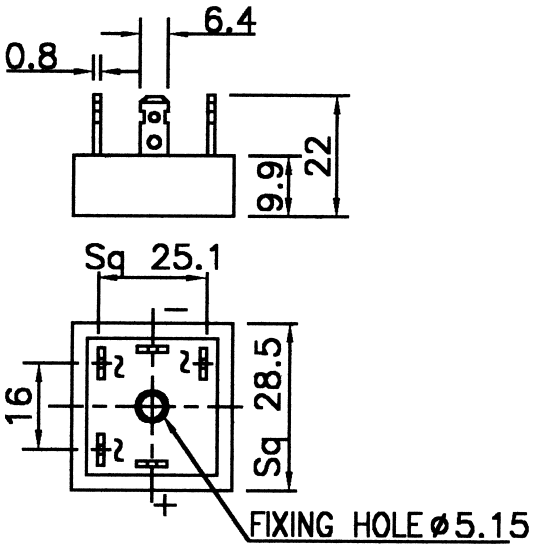
Type : 26MT10 - 26MT120

FEATURES

- *Universal, 3 way terminals; snap-on, warp 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} = 70°C; resistive, inductive load (R) capacitive load (C)	25 A 20 A
I_{FSM}	Maximum peak one cycle, non-repetitive forward current;10ms	360 A
I^2t	Maximum I^2t for fuse selection; 10ms	635 A^2s
V_{FM}	Maximum peak forward voltage drop per diode, $I_{O(PEAK)}$ = 40 A	1.26 V
I_{RM}	Maximum peak reverse current per diode at rated V_{RRM} T_J = 25°C $T_J = T_{J\,max}$	 100 µA 2.0 mA
V_{INS}	RMS isolation voltage, circuit to base	2700 V



All dimensions in millimetres

THERMAL & MECHANICAL DATA

T	Operating and storage temperature range	-40 to +150°C
R_{thjc}	Thermal impedence, junction to case	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	26MT10	26MT20	26MT40	26MT60	26MT80	26MT100	26MT120
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

THREE PHASE BRIDGE RECTIFIER

Type : 26MT10 - 26MT120

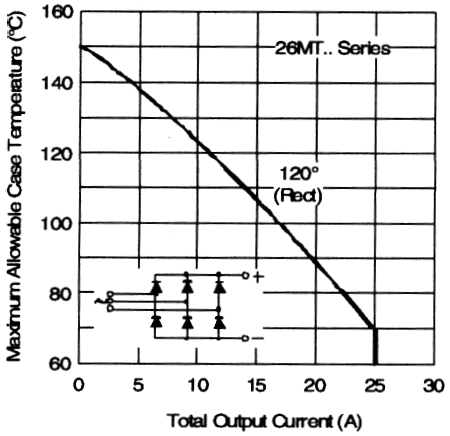


Fig. 1 - Current Ratings Characteristics

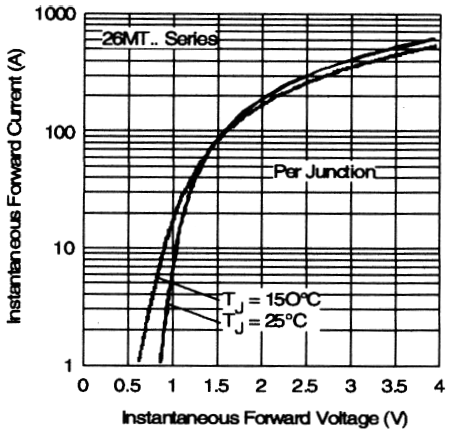


Fig. 2 - Forward Voltage Drop Characteristics

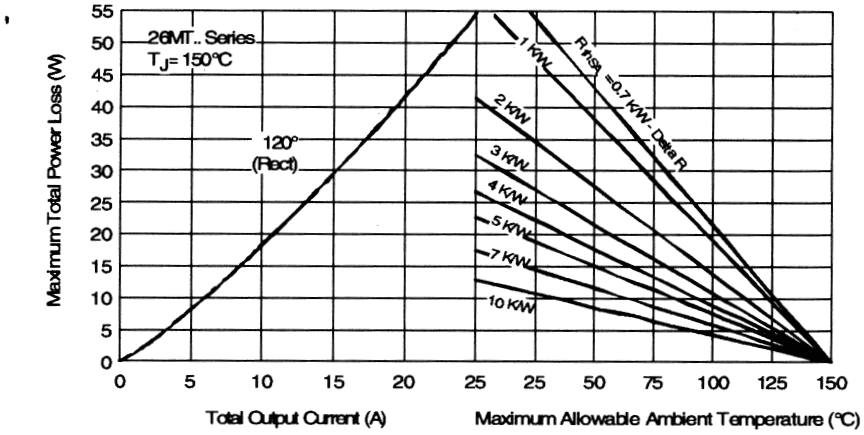


Fig. 3 - Total Power Loss Characteristics

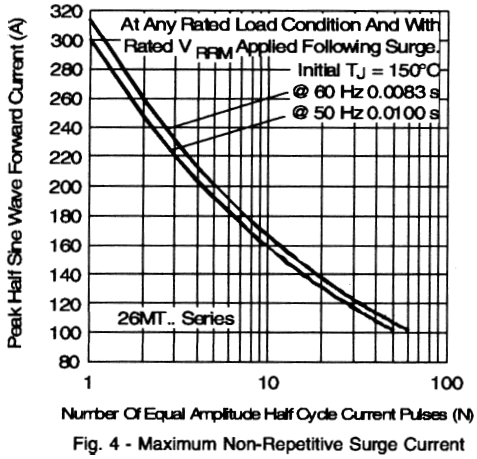


Fig. 4 - Maximum Non-Repetitive Surge Current

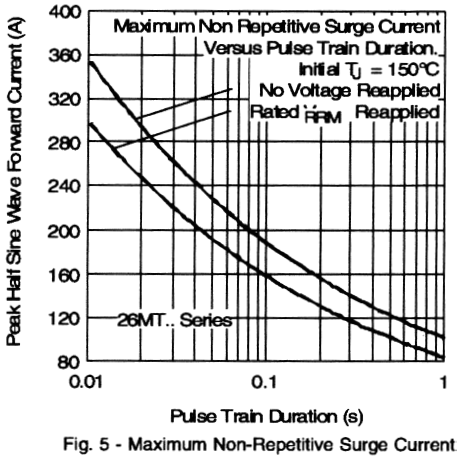


Fig. 5 - Maximum Non-Repetitive Surge Current

Last Update : April 2002