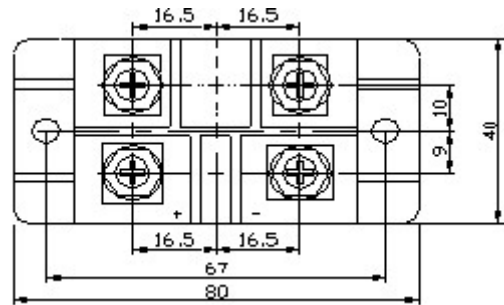
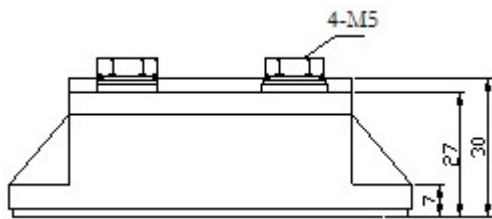
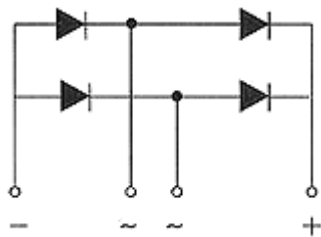


**Single Phase  
Rectifier Bridge**

$I_{dAV} = 75 A$

$V_{RRM} = 1000-2400V$

$V_{RRM}$ (V)	$V_{RSM}$ (V)	TYPE
1000	1100	MDQ75-10
1200	1300	MDQ75-12
1600	1700	MDQ75-16
1800	1900	MDQ75-18
2200	2300	MDQ75-22
2400	2500	MDQ75-24



**Maximum Ratings**

Symbol	Item	Conditions	Ratings	Unit
$I_D$	Output current (D.C.)	Single phase. full wave. $T_c=117^\circ C$	75	A
$I_{FSM}$	Surge Forward Current	1 cycle, 50/60Hz, peak value, non-repetitive	910/1000	A
$I_t^2$	$I_t^2$	Value for one cycle of surge current	4100	$A^2S$
$T_j$	Junction Temperature		-40 to +150	$^\circ C$
$T_{stg}$	Storage Temperature		-40 to +125	$^\circ C$
$V_{iso}$	Isolation Breakdown Voltage (R.M.S.)	Main Terminal to case 1minute	2500	V



M <sub>d</sub>	Mounting torque	Mounting(M5)	Recommended Value 1.5-2.5 (15-25)	2.7 (28)	N□m(kgf□cm)
		Terminal(M6)	Recommended Value 2.5-3.9 (25-40)	4.7 (48)	

### Electrical Characteristics

Symbol	Item	Conditions	Ratings	Unit
I <sub>RRM</sub>	Repetitive Peak Reverse Current, max.	T <sub>j</sub> =150 °C at V <sub>RRM</sub>	5.0	mA
V <sub>FM</sub>	Forward Voltage Drop, max.	I <sub>FM</sub> =75A, T <sub>j</sub> =25 °C Inst. measurement	1.2	V
R <sub>th(j-c)</sub>	Thermal Impedance, max.	Junction to case	0.24	°C/W

