

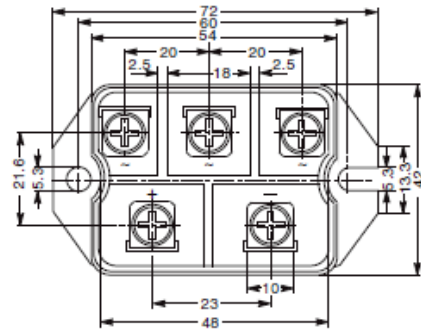
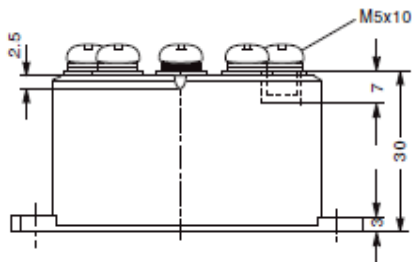
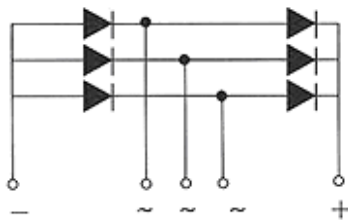
Three Phase

$I_{dAV} = 100 \text{ A}$

Rectifier Bridge

$V_{RRM} = 1000\text{-}2400\text{V}$

$V_{RRM} \text{ (V)}$	$V_{RSM} \text{ (V)}$	TYPE
1000	1100	MDS100-10
1200	1300	MDS100-12
1600	1700	MDS100-16
1800	1900	MDS100-18
2200	2300	MDS100-22
2400	2500	MDS100-24



Maximum Ratings

Symbol	Item	Conditions	Ratings	Unit
I_D	Output current (D.C.)	Three phase. full wave. $T_c=117^\circ\text{C}$	100	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	$^\circ\text{C}$
T_{stg}	Storage Temperature		-40 to +125	$^\circ\text{C}$
V_{iso}	Isolation Breakdown Voltage (R.M.S.)	Main Terminal to case 1minute	2500	V
M_d	Mounting	Mounting(M5)	Recommended Value 1.5-2.5 (15-25)	$2.7(28) \text{ N}\cdot\text{m}(\text{kgf}\cdot\text{cm})$

	torque	Terminal (M5)	Recommended Value 1.5-2.5 (15-25)	2.7 (28)	
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Electrical Characteristics

Symbol	Item	Conditions	Ratings	Unit
I_{RRM}	Repetitive Peak Reverse Current, max.	$T_j=150\text{ }^{\circ}\text{C}$ at V_{RRM}	5.0	mA
V_{FM}	Forward Voltage Drop, max.	$I_{FM}=100\text{A}$, $T_j=25\text{ }^{\circ}\text{C}$ Inst. measurement	1.2	V
$R_{th(j-c)}$	Thermal Impedance, max.	Junction to case	0.2	$^{\circ}\text{C/W}$

