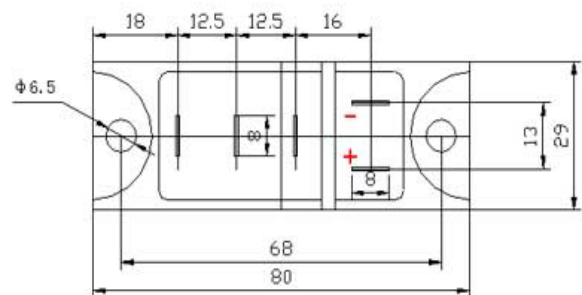
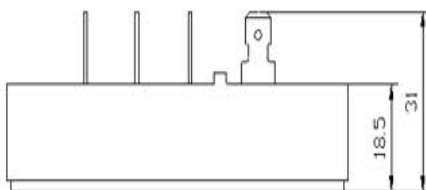
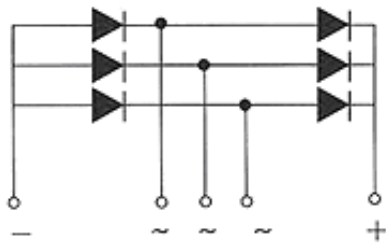


Three Phase Rectifier Bridge

$$I_{dAV} = 40 \text{ A}$$

$$V_{RRM} = 1000\text{-}1600\text{V}$$

V_{RRM} (V)	V_{RSM} (V)	TYPE
1000	1100	MDS40-10
1200	1300	MDS40-12
1600	1700	MDS40-16



Maximum Ratings

Symbol	Item	Conditions	Ratings	Unit
I_D	Output current (D.C.)	Three phase, full wave. $T_c=116^\circ\text{C}$	40	A
I_{FSM}	Surge Forward Current	1 cycle, 50/60Hz, peak value, non-repetitive	640/700	A
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 torque (M6)	Recommended Value 2.5-3.9 (25-40)	4.7 (48)	N·m(kgf·cm)

Electrical Characteristics



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Symbol	Item	Conditions	Ratings	Unit
I_{RRM}	Repetitive Peak Reverse Current, max.	$T_J=150\text{ }^{\circ}\text{C}$ at V_{RRM}	2.0	mA
V_{FM}	Forward Voltage Drop, max.	$I_{FM}=40\text{A}$, $T_J=25\text{ }^{\circ}\text{C}$ Inst. measurement	1.3	V
$R_{th(j-c)}$	Thermal Impedance, max.	Junction to case	0.42	$^{\circ}\text{C/W}$

