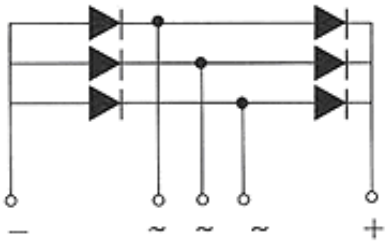
YZPST YANGZHOU POSITIONING TECH. CO., LTD

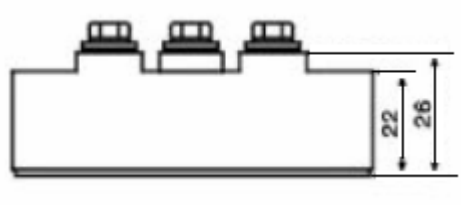
Three Phase Rectifier Bridge

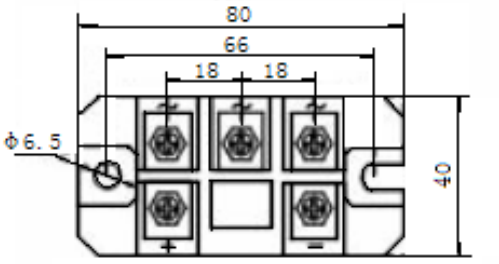
I_{dAV} = 100 A

V_{RRM} = 1000-2400V

V_{RRM} (V)	V_{RSM} (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. Tc=117 °C	100	A
I_{FSM}	Surge Forward Current	1 cycle, 50/60Hz, peak value, non-repetitive	910/1000	A
I^2t	I^2t	Value for one cycle of surge current	4100	A^2S
T_j	Junction Temperature		-40 to +150	°C
T_{stg}	Storage Temperature		-40 to +125	°C
V_{ISO}	Isolation Breakdown Voltage(R.M.S.)	Main Terminal to case 1minute	2500	V

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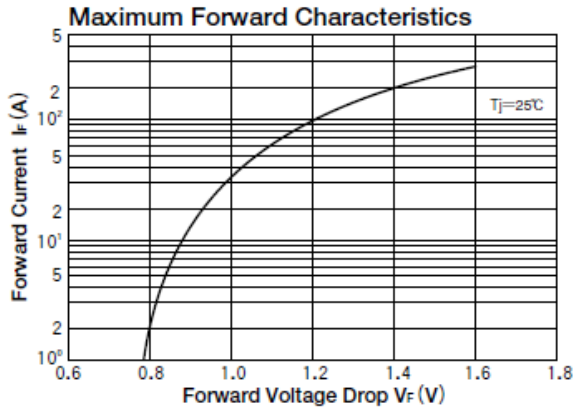
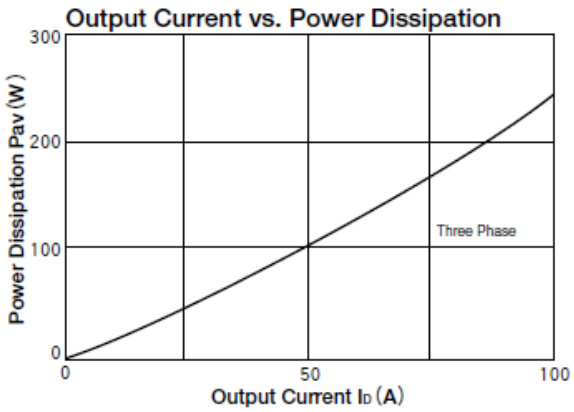
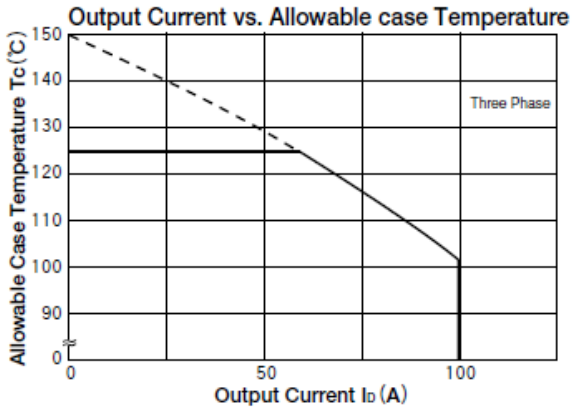
M_d	Mounting torque	Mounting(M6)	Recommended Value 2.5-3.9(25-40)	4.7(48)	N□m(kgf□cm)
		Terminal (M5)	Recommended Value 1.5-2.5(15-25)	2.7(28)	

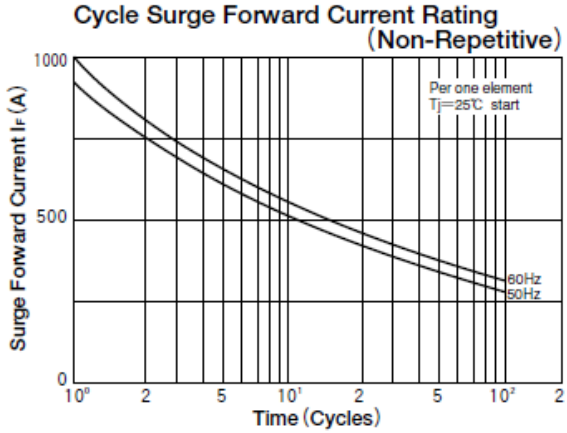
Electrical Characteristics

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









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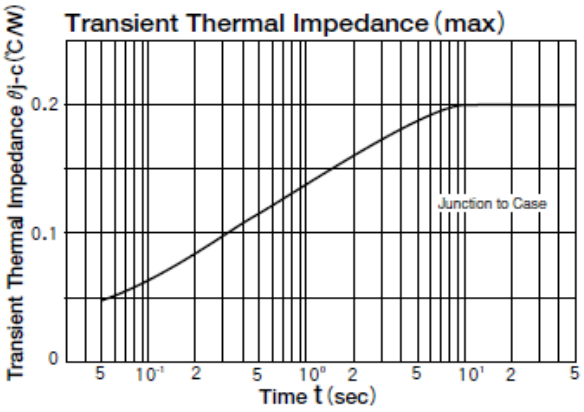

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