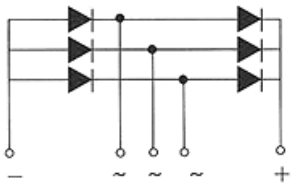
YZPST YANGZHOU POSITIONING TECH. CO., LTD

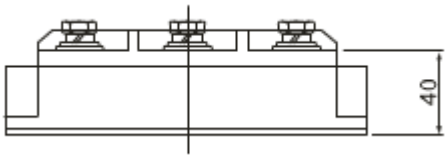
Three Phase Rectifier Bridge

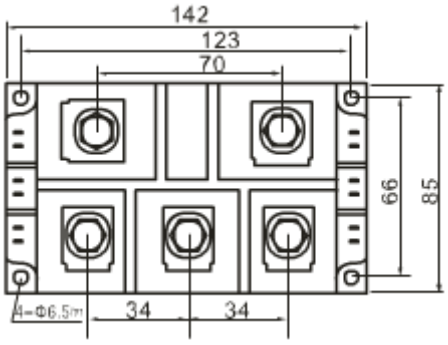
I_{dAV} = 500 A

V_{RRM} = 1000-2400V

V_{RRM} (V)	V_{RSM} (V)	TYPE
1000	1100	MDS500-10
1200	1300	MDS500-12
1600	1700	MDS500-16
1800	1900	MDS500-18
2200	2300	MDS500-22
2400	2500	MDS500-24







Maximum Ratings

Symbol	Item		Conditions	Ratings	Unit
I_D	Output current (D.C.)		Three phase. full wave. Tc=117 ℃	500	A
I_{FSM}	Surge Forward Current		1 cycle, 50/60Hz, peak value, non-repetitive	12000	A
I^2t	I^2t		Value for one cycle of surge current	225000	A^2S
T_j	Junction Temperature			-40 to +150	℃
T_{stg}	Storage Temperature			-40 to +125	℃
V_{ISO}	Isolation Breakdown Voltage(R.M.S.)		Main Terminal to case 1minute	2500	V
M_d	Mounting	Terminal (M8)	(AC-IN) Recommended Value 8.8-10.0(90-105)	9.8(100)	N□m

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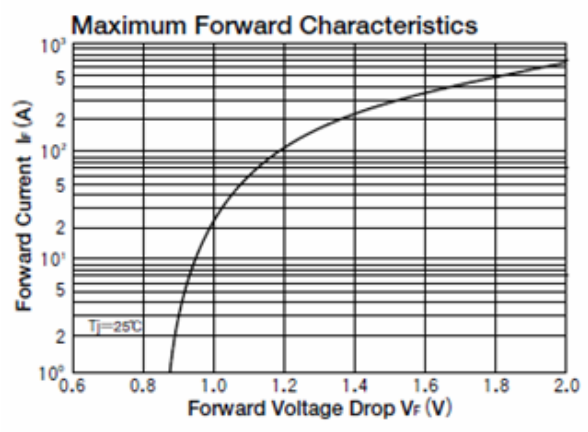
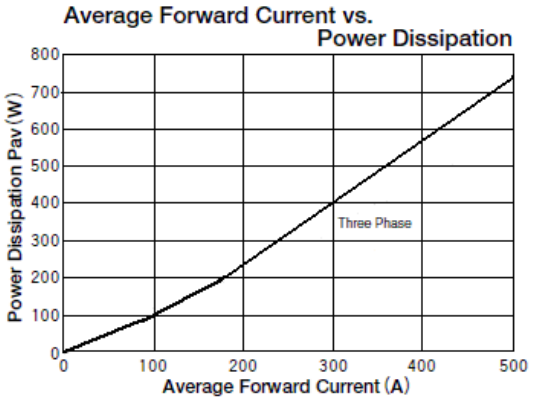
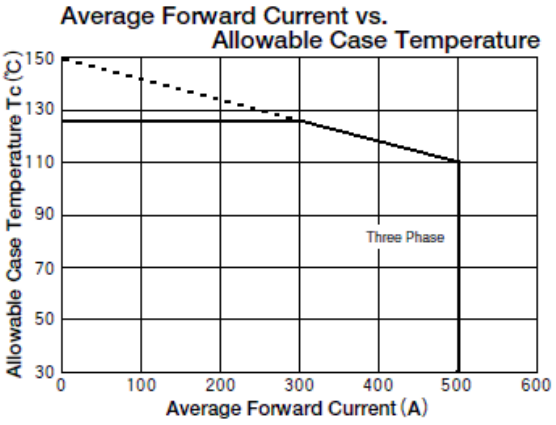
	torque	Terminal (M10)	(DC-OUT) Recommended Value 11.8-14.7(120-150)	12.7(130)	(kgf□cm)
		Mounting (M6)	Recommended Value 2.5-3.9(25-40)	4.7(48)	

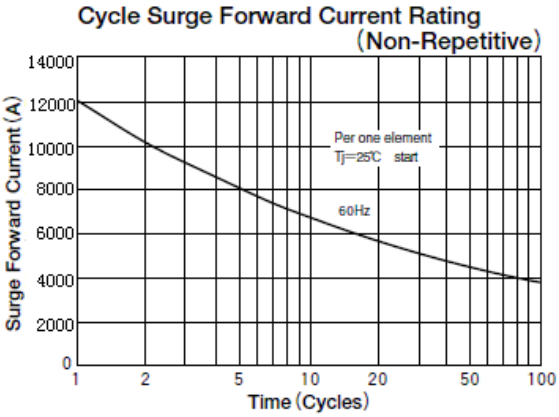
Electrical Characteristics

Symbol	Item	Conditions	Ratings	Unit
I_{RRM}	Repetitive Peak Reverse Current, max.	T_j=150℃ at V_{RRM}	10.0	mA
V_{FM}	Forward Voltage Drop, max.	I_{FM}=500A, T_j=25℃ Inst. measurement	1.8	V
$R_{th(j-c)}$	Thermal Impedance, max.	Junction to case	0.14	℃/W









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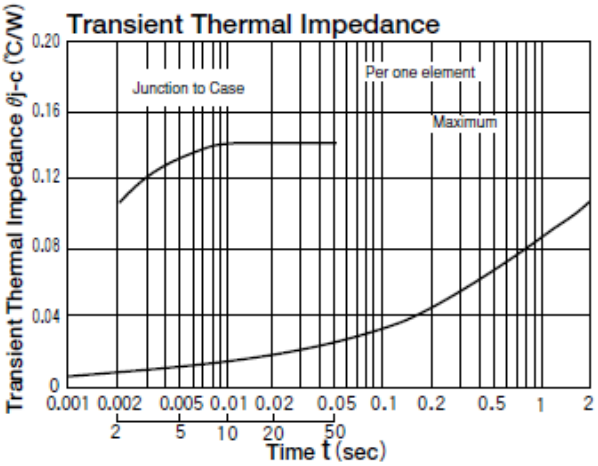

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