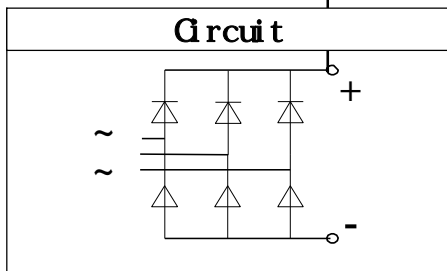


Glass Passivated Three Phase Rectifier Bridge

V_{RRM} 800 to 1800V
I



TYPE	V _{RRM}	V _{RSM}
MD75S08M8	800V	900V
MD75S12M8	1200V	1300V
MD75S16M8	1600V	1700V
MD75S18M8	1800V	1900V

Maximum Ratings

Symbol	Conditions	Values	Units
I _D	Three phase, full wave T _c =110	75	A
I _{FSM}	t=10mS T _{vj} =45	750	A
i ² t	t=10mS T _{vj} =45	2800	A ² s
V _{isol}	a.c.50HZ;r.m.s.;1min	3000	V
T _{vj}		-40 to +150	
T _{stg}		-40 to +125	
M _t	To terminals(M5)	3±15%	Nm
M _s	To heatsink(M6)	5±15%	Nm
Weight	Module (Approximately)	168	g

Thermal Characteristics

Symbol	Conditions	Values	Units
	Module fl Approximately L	\$. \$ +	/W

Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
V _{FM}	T=25 I _F =150A		1.38	1.60	V
I _{RD}	T _{vj} =25 V _{RD} =V _{RRM}			0.3	mA
	T _{vj} =150 V _{RD} =V _{RRM}			5	mA

Performance Curves

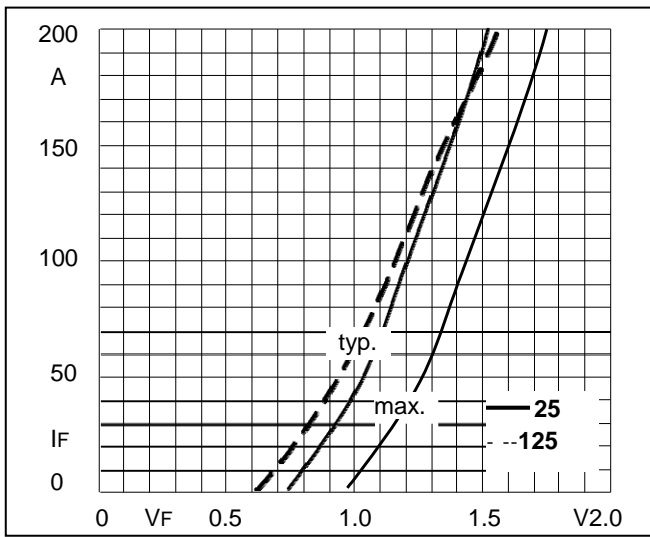


Fig1. Forward Characteristics

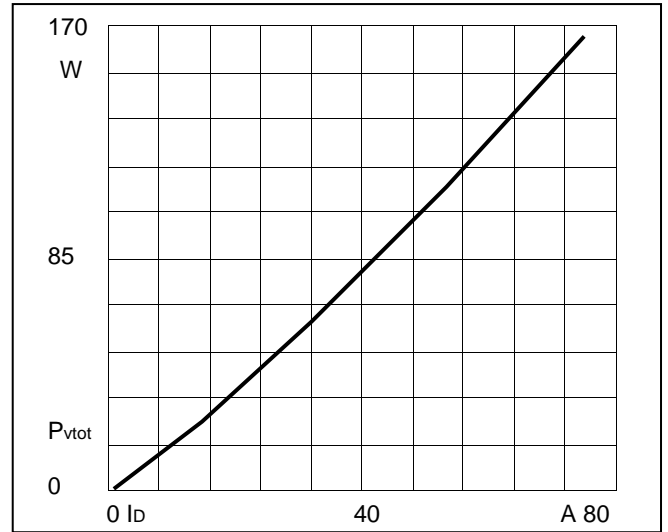


Fig2. Power dissipation

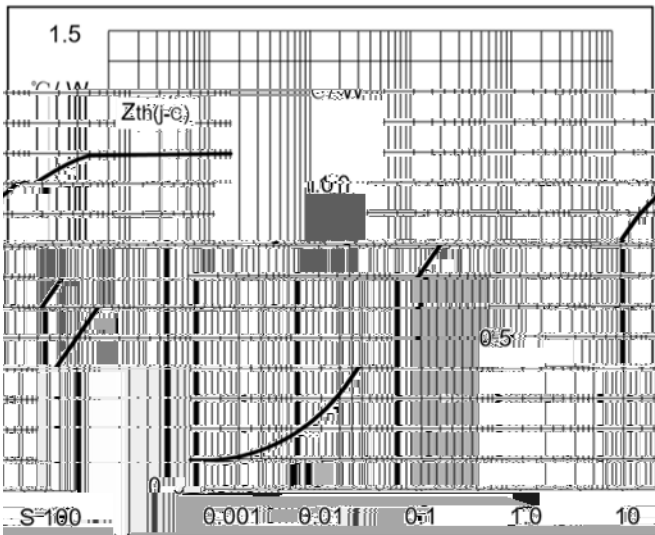


Fig3. Transient thermal impedance

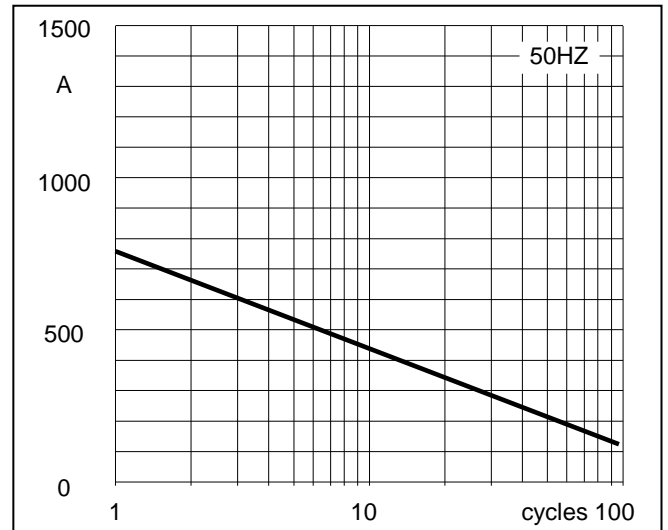


Fig4. Max Non-Repetitive Forward Surge Current

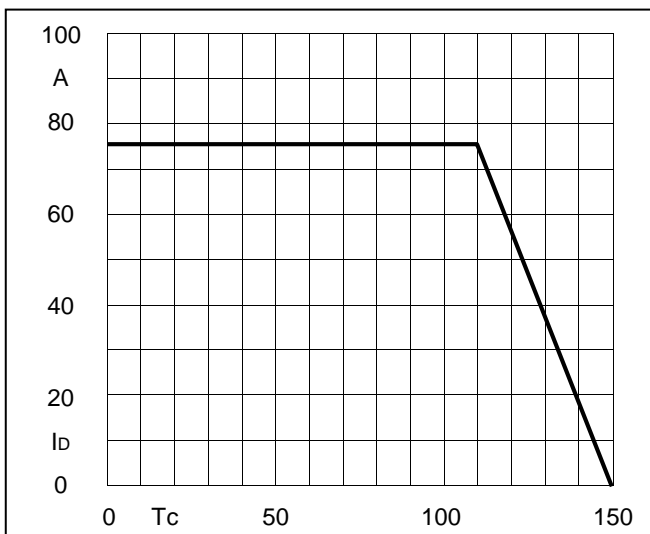
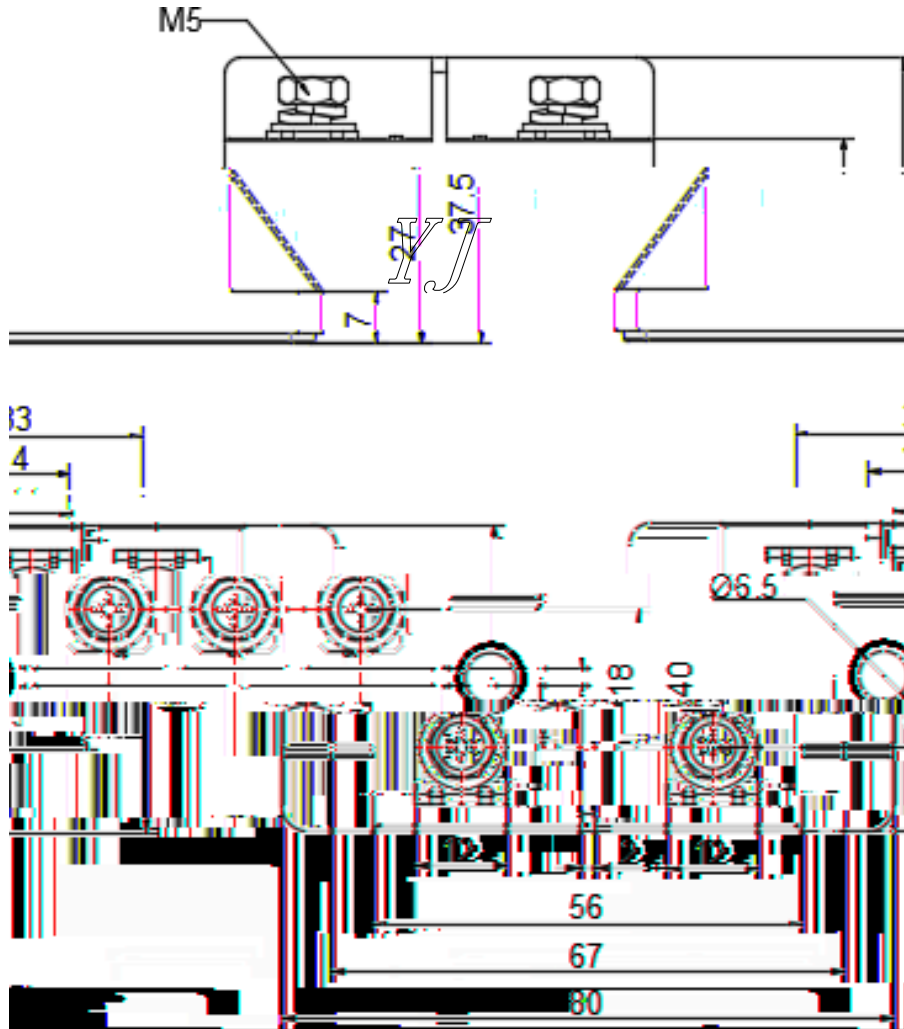


Fig5. Forward Current Derating Curve

Package Outline Information

CASE M8



Dimensions in mm