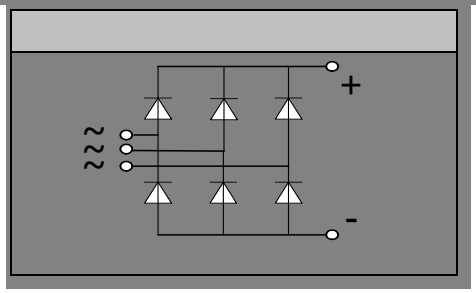
MD60S-M2

RoHS COMPLIANT



Glass Passivated Three Phase Rectifier Bridge

V_{RRM} 800 to 1800V
I_D 60 A



Applications

- Three phase rectifiers for power supplies
- Rectifiers for DC motor field supplies
- Battery charger rectifiers
- Input rectifiers for variable frequency drives

Features

- Three phase bridge rectifier
- Blocking voltage:800 to 1800V
- Heat transfer through aluminum oxide DBC ceramic isolated metal baseplate
- Glass passivated chip
- UL recognized applied for file no. E360040

Module Type

TYPE	V_{RRM}	V_{RSM}
MD60S08M2	800V	900V
MD60S12M2	1200V	1300V
MD60S16M2	1600V	1700V
MD60S18M2	1800V	1900V

Maximum Ratings

Symbol	Conditions	Values	Units
I_D	Three phase, full wave Tc=110	60	A
I_{FSM}	t=10mS Tvj =45	460	A
i^2t	t=10mS Tvj =45	1050	A^2s
Visol	a.c.50HZ;r.m.s.;1min	3000	V
Tvj		-40 to +150	
Tstg		-40 to +125	
Mt	To terminals(M5)	5±15%	Nm
Ms	To heatsink(M5)	5±15%	Nm

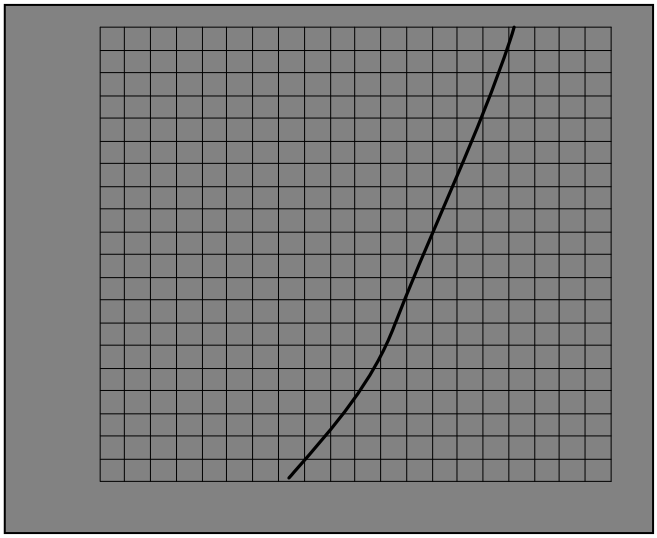
Thermal Characteristics

Symbol	Conditions	Values	Units
Rth(j-c)	Per diode	1.45	/W
Rth(c-s)	Module	0.07	/W

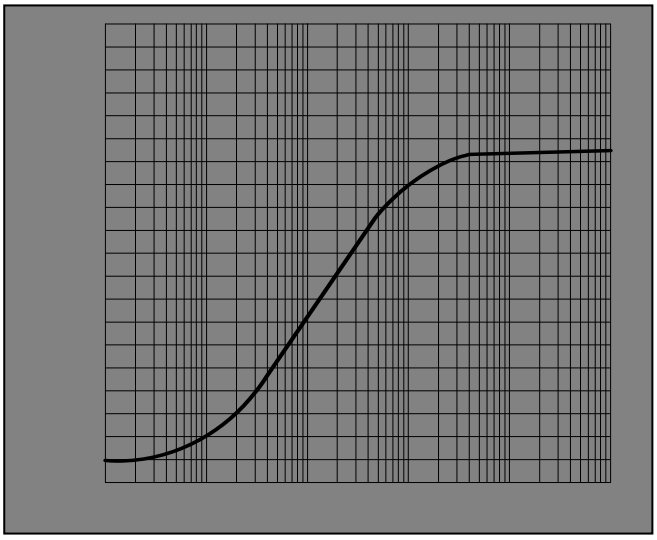
Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
V_{FM}	T=25 I_F =150A		1.45	1.80	V
I					

Performance Curves











Package Outline Information

