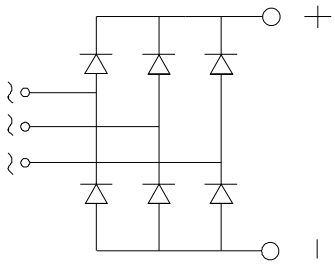
MDS200

Three Phase Rectifier Bridge

VRRM 800 to 1800V
ID 200Amp

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

Module Type

TYPE	VRRM	VRSM
MDS200-08	800V	900V
MDS200-12	1200V	1300V
MDS200-16	1600V	1700V
MDS200-18	1800V	1900V

Maximum Ratings

Symbol	Conditions	Values	Units
I_D	Tc=85℃	200	A
I_{FSM}	Tvj=45℃ t=10ms (50HZ), sine	2000	A
i^2t	Tvj=45℃ t=10ms (50HZ), sine	9000	A^2S
Viso	a.c.50HZ;r.m.s.;1min	2500	V
Tvj		-40 to 150	℃
Tstg		-40 to 125	℃
Weight	Module (Approximately)		g

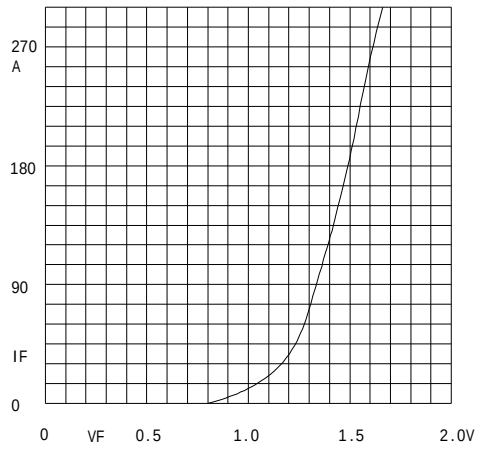
Thermal Characteristics

Symbol	Conditions	Values	Units
Rth(j-c)	Per module	0.16	℃/W

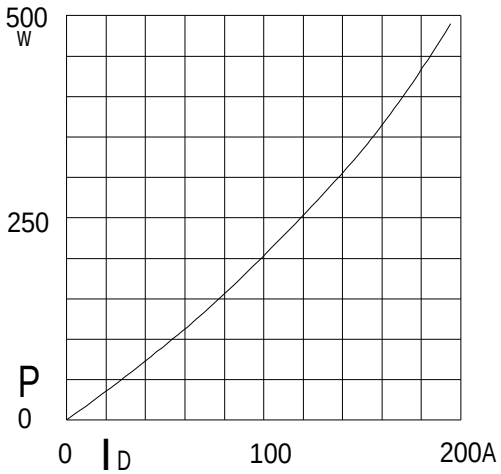
Electrical Characteristics

Symbol	Conditions		Values	Units
V_{FM}	T=25℃	I_{FM}=200A	1.50	V
I_{RD}	Tvj=25℃	$V_{RD}=V_{RRM}$	≤0.5	mA
	Tvj=150℃	$V_{RD}=V_{RRM}$	≤5	mA

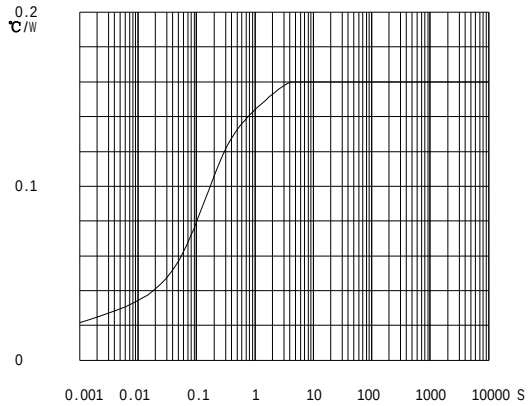
MDS200



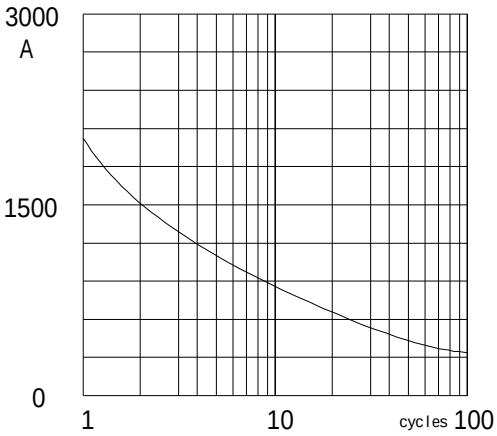
Forward Characteristics



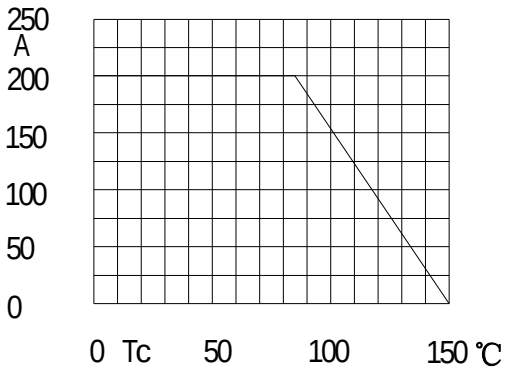
Power dissipation



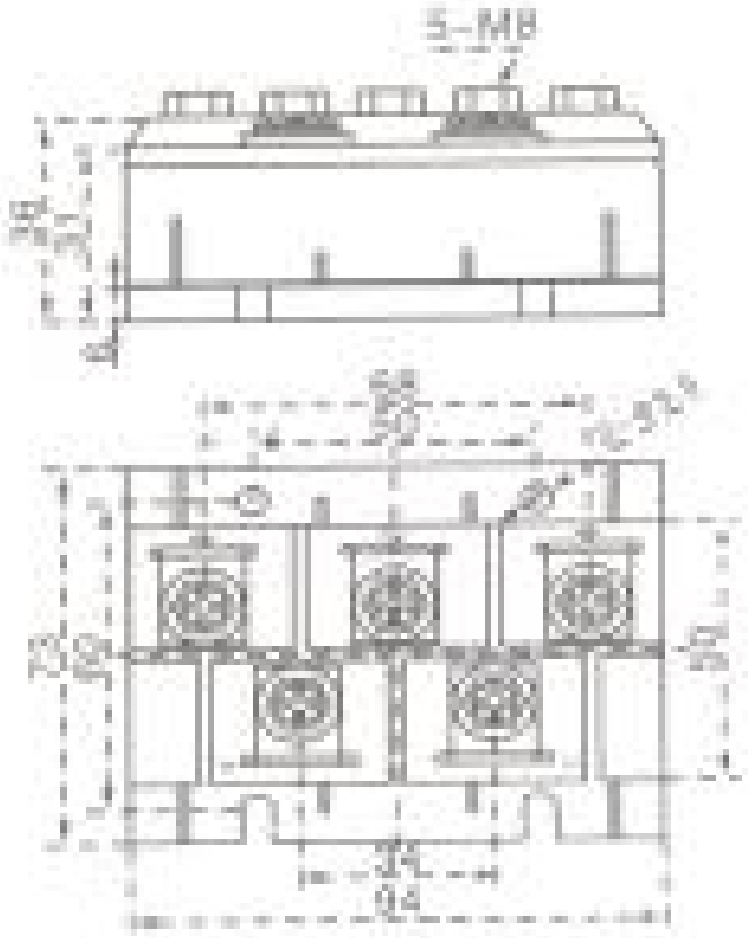
Transient thermal impedance



Max Non-Repetitive Forward Surge Current



Forward Current Derating Curve



Dimensions in mm