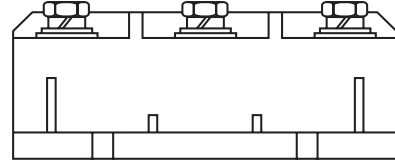


CURRENT 200 Ampere
 VOLTAGE RANG 800 to 1800 Volts

MDQ200-08 THRU MDQ200-18

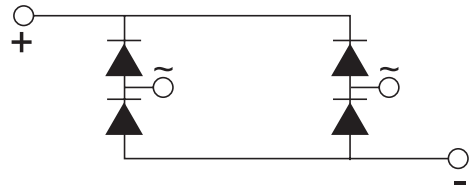
Applications

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



Features

- Single phase bridge rectifier
- Blocking voltage:800 to 1800V



Module Type

TYPE	VRRM	VRSM
MDQ200-08	800V	900V
MDQ200-12	1200V	1300V
MDQ200-16	1600V	1700V
MDQ200-18	1800V	1900V

Maximum Ratings

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

Thermal Characteristics

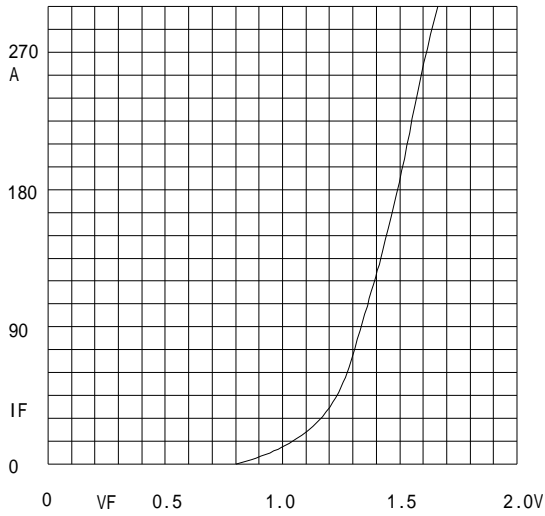
Symbol	Conditions	Values	Units
$R_{th(j-c)}$	Per module	0.14	/W

Electrical Characteristics

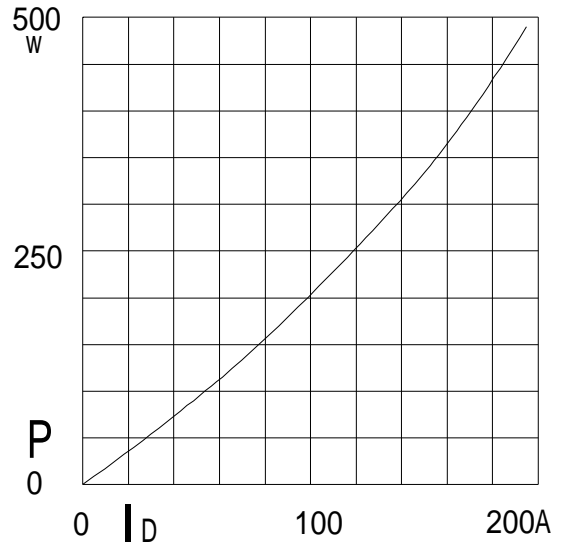
Symbol	Conditions	Values	Units
VFM	T=25 IFM=200A	1.50	V
IRD	$T_{vj}=25$ VRD=VRRM	≤ 0.5	mA
	$T_{vj}=150$ VRD=VRRM	≤ 5	mA

CURRENT 200 Ampere
 VOLTAGE RANG 800 to 1800 Volts

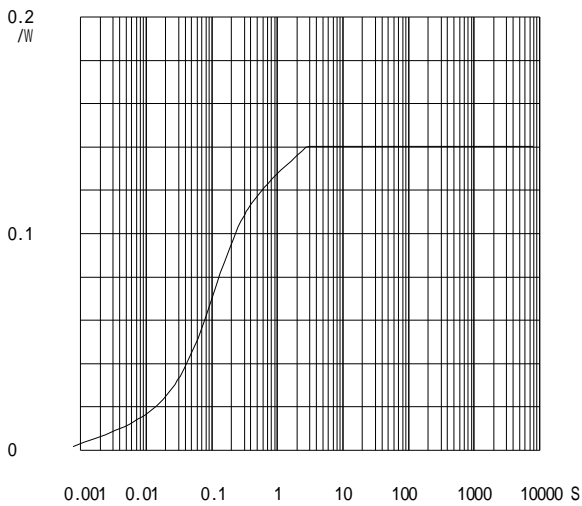
MDQ200-08 THRU MDQ200-18



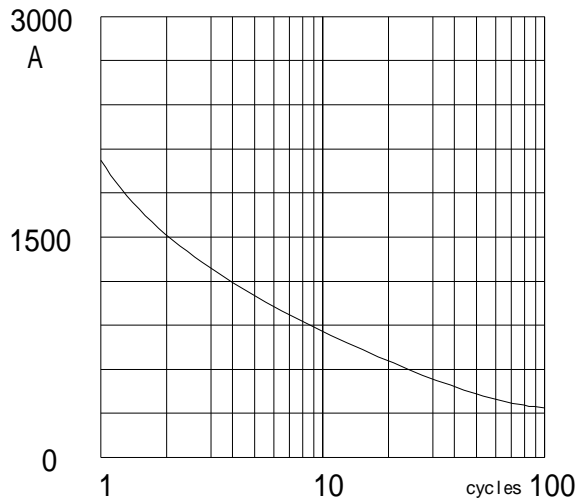
Forward Characteristics



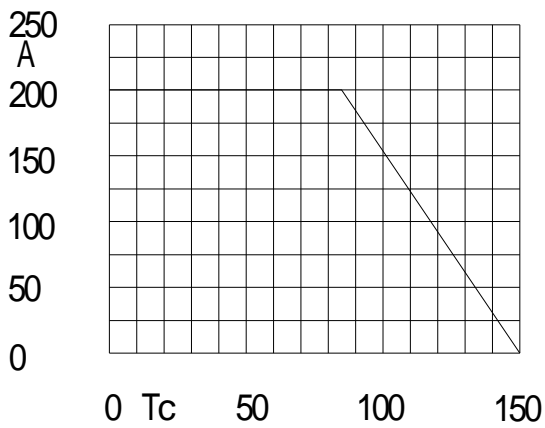
Power dissipation



Transient thermal impedance



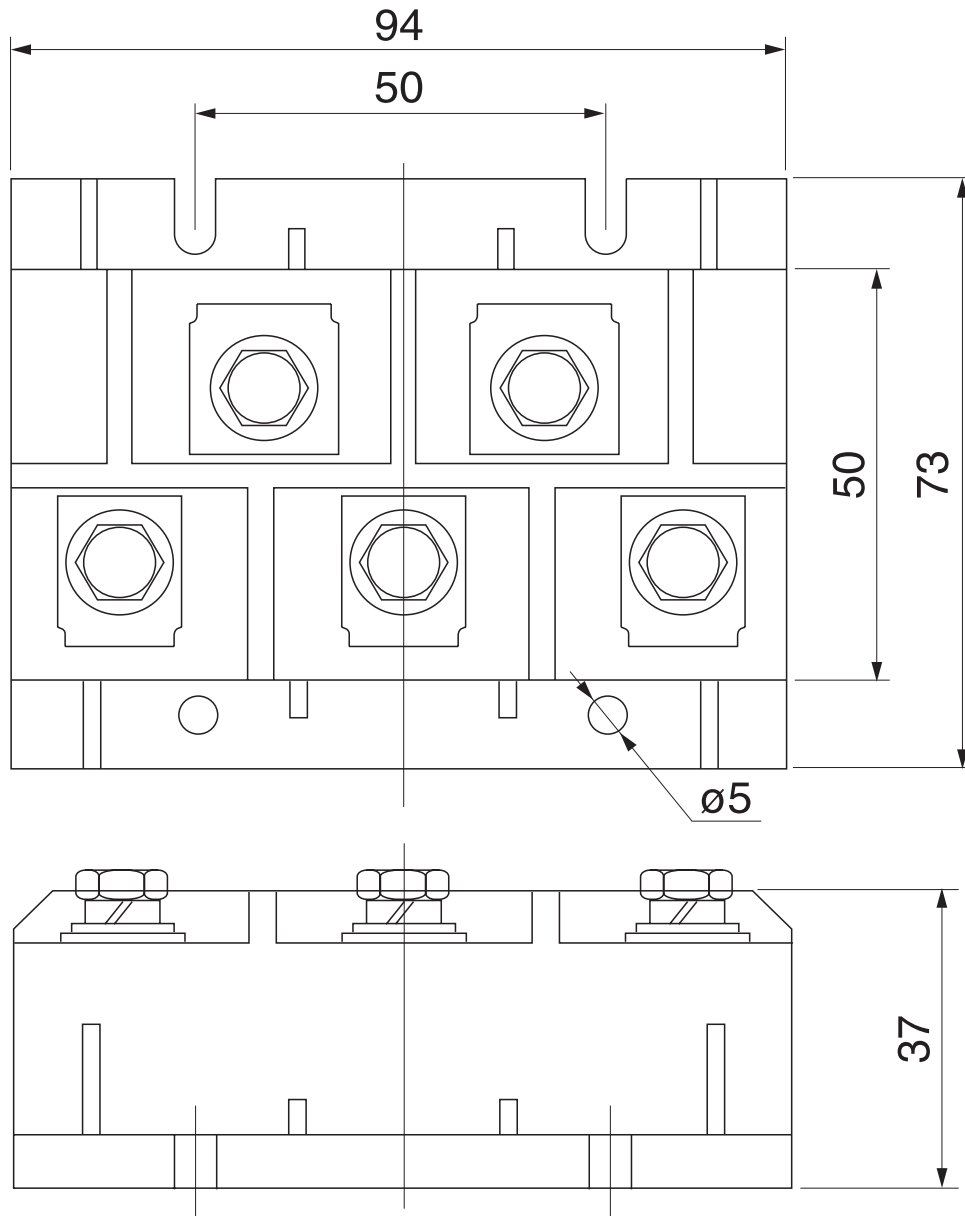
Max Non-Repetitive Forward Surge Current



Forward Current Derating Curve

CURRENT 200 Ampere
VOLTAGE RANG 800 to 1800 Volts

MDQ200-08 THRU MDQ200-18



M22