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• 0912-5958431

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مایترونیک

فروشگاه قطعات الکترونیک

تخصص، کیفیت، قیمت مناسب

تهران - خیابان جمهوری - نرسیده به پل حافظ - پاساژ توکل - طبقه زیر همکف - پلاک B34



MDS100



Three Phase Rectifier Bridge

VRRM 800 to 1800V

ID 100Amp

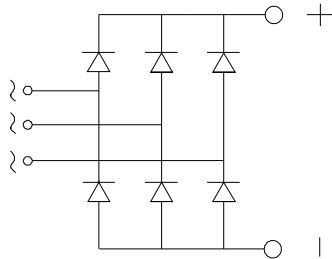
Applications

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
MDS100-08	800V	900V
MDS100-12	1200V	1300V
MDS100-16	1600V	1700V
MDS100-18	1800V	1900V

Maximum Ratings

Symbol	Conditions	Values	Units
I_D	$T_c=100^{\circ}\text{C}$	100	A
IFSM	$T_{vj}=45^{\circ}\text{C}$ $t=10\text{ms}$ (50HZ), sine	920	A
i^2t	$T_{vj}=45^{\circ}\text{C}$ $t=10\text{ms}$ (50HZ), sine	4200	A^2S
Viso	a.c.50HZ;r.m.s.;1 min	2500	V
T_{vj}		-40 to 150	$^{\circ}\text{C}$
T_{stg}		-40 to 125	$^{\circ}\text{C}$
Weight	Module (Approximately)	220	g

Thermal Characteristics

Symbol	Conditions	Values	Units
$R_{th(j-c)}$	Per module	0.32	$^{\circ}\text{C}/\text{W}$

Electrical Characteristics

Symbol	Conditions	Values	Units
VFM	$T=25^{\circ}\text{C}$ IFM=300A	1.90	V
IRD	$T_{vj}=25^{\circ}\text{C}$ VRD=VRRM	≤ 0.5	mA
	$T_{vj}=150^{\circ}\text{C}$ VRD=VRRM	≤ 5	mA



MDS100

Performance Curves

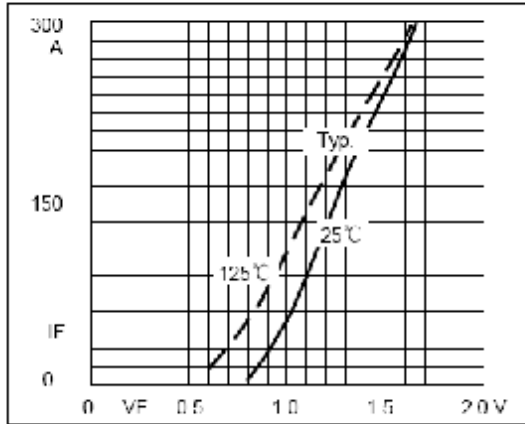


Fig1. Forward Characteristics

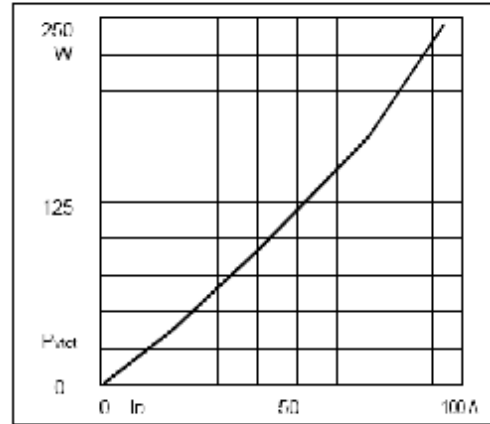


Fig2. Power dissipation

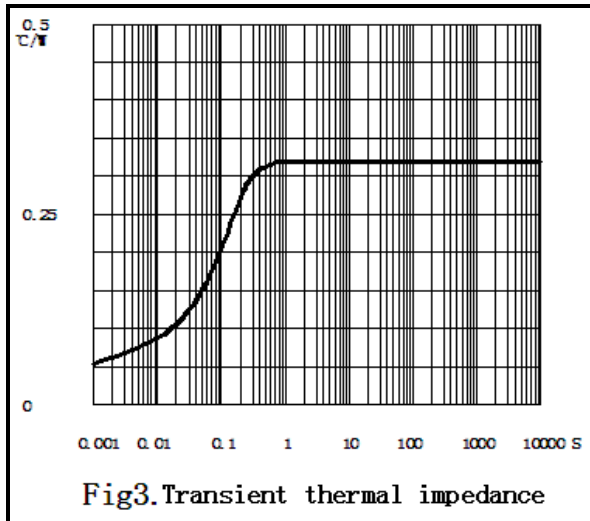


Fig3. Transient thermal impedance

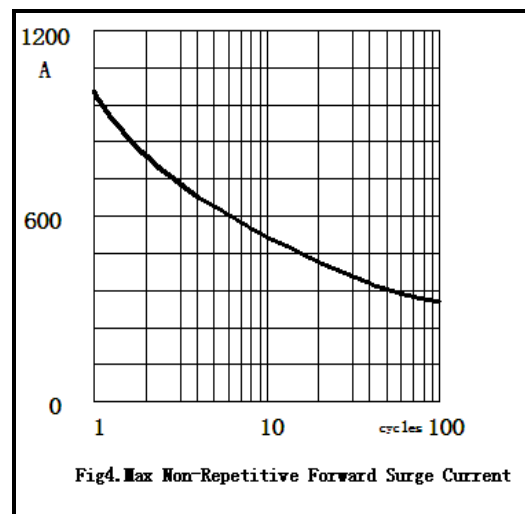


Fig4. Max Non-Repetitive Forward Surge Current

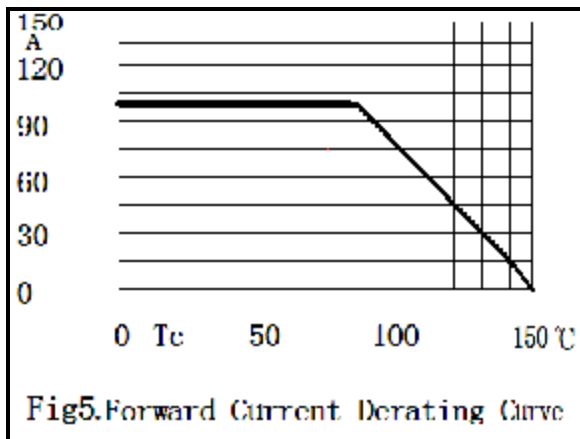
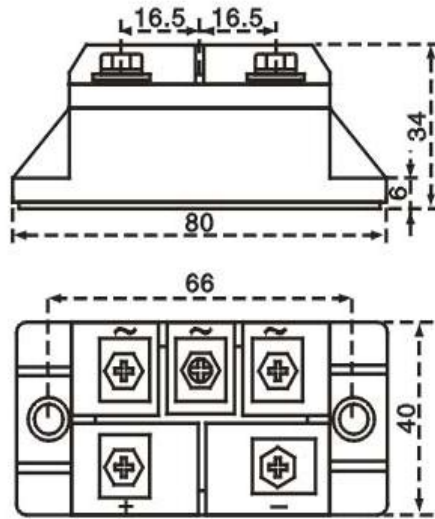


Fig5. Forward Current Derating Curve



Dimensions in mm