Diode Modules

- UL Recognized

TYPE:MD3-800-44-N-D

Features

- Heat Transfer Through Aluminium Oxide Ceramic Isolated Metal Baseplate
- Hard Soldered Joints For High Reliability

Typical Applications

- Rectifier for drives applications
- Rectifiers for UBS
- Battery chargers

BLOCKING

Symbol	Condition	Ratings	Unit
V_{RRM} V_{RSM}	T_j= T_j Max.	4400 4500	V
I_{RRM}	AtV_{RRM}，Single phase，half wave，T_j= T_j Max.	30	mA
V_{ISOL}	a.c 50HZ,r.m.s,1S/1min	3600/3000	V

CONDUCTING

Symbol	Condition	Ratings	Unit
$I_{F(AV)}$	T_C=85°C; 180° sine	800	A
$I_{F(RMS)}$	T_C=85°C; 180° sine	1256	A
I_{FSM}	T_j= T_j Max.; t = 10 ms (50 Hz); sine	23000	A
I^2t	T_j= T_j Max.; t = 10 ms (50 Hz); sine	2600	kA^2S
$V_{F(TO)}$	Tj= Tj Max.	0.9	V
r_F	Tj= Tj Max.	0.37	mΩ
V_{FM}	On-State Current 2512A，T_j=25°C	1.77	V
T_{rr}	Tj= 125°C I_F =120A –di/dt=1000A/us V_R =1200V	-	ns

Electrical Characteristics

Symbol	Condition	Ratings	Unit
$R_{th(j-c)}$	Per Module	0.025	°C /W
$R_{th(c-h)}$	Per Module	0.008	°C /W
T_j		-40 ~ + 150	°C
T_{stg}		-40 ~ + 125	°C
M	mounting torque	9	Nm
	terminal torque	18	Nm
W		-	g

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Outline Drawing