SCOMES

Preliminary

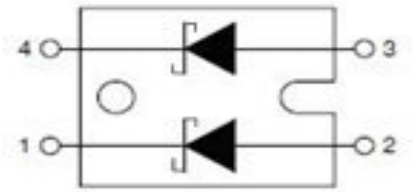
www.scomes.com

MDX200.02

INSULATED FAST SCHOTTKY DIODE MODULE

Output Current **200A**

Blocking Voltage **200V**



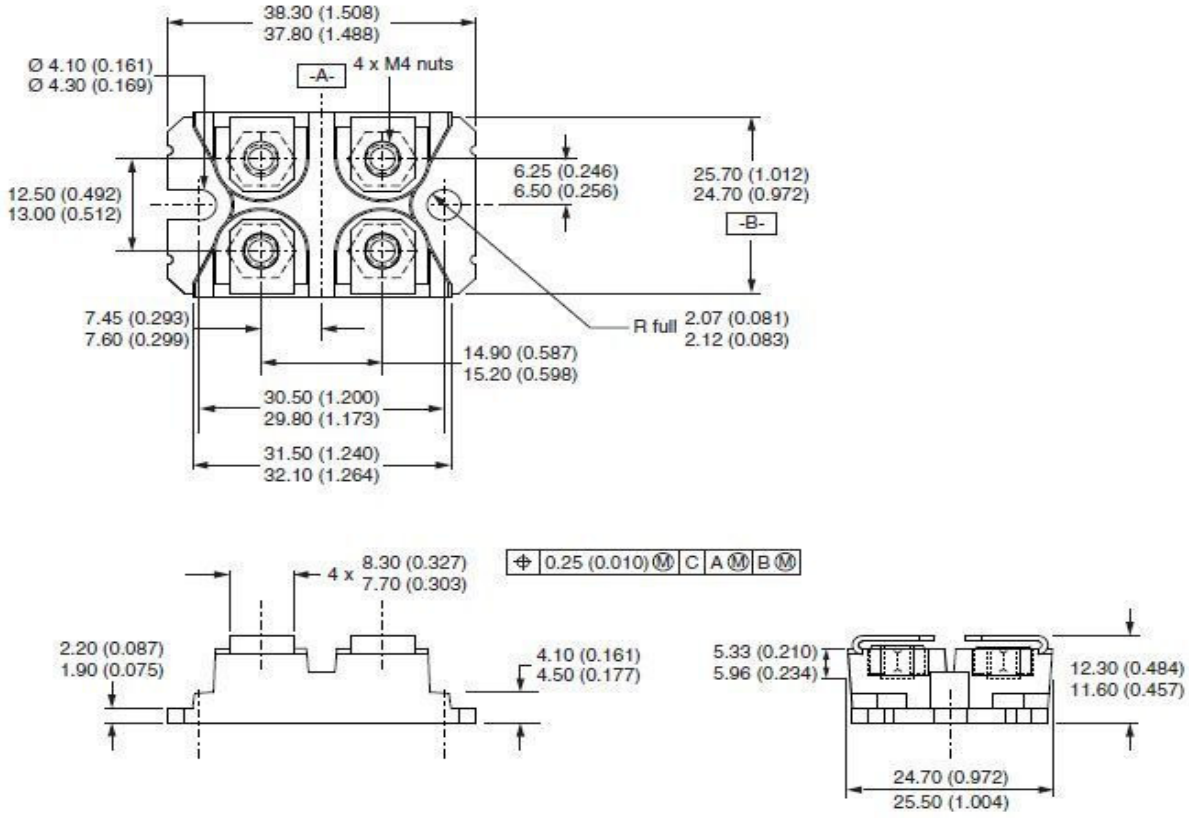
Features

Low noise switching
Ultrafast recovery time
Low forward voltage
High surge current capability
Low leakage current
Pb-free finished; **RoHS compliant**

Applications

Ultrasonic cleaners and welders
Inductive heating and melting
Converter and chopper

Characteristics		Conditions	Value
V_{RRM}	Max repetitive peak reverse voltage	Tj = 25 °C	200 V
$I_{F(AV)}$	Average forward current	Tc = 150 °C	2X100 A
I_r	Reverse current	Tj = 25 °C	3 mA
		Tj = 125 °C	9 mA
V_F	Forward drop voltage	Tj= 25 °C	0,92 V
		Tj = 150 °C	0,84 V
I_{FSM}	Surge forward current	Half sine wave, 10 ms	1000 A
		Tc = 100 °C	120 ns
I_{rm}	Max reverse recovery current	Tc = 25 °C	10,8 A
		Tc = 100 °C	29 A
$R_{th(j-c)}$	Thermal resistance (junction to case)	Mounting surface flat, smooth and greased	0,600 °C/W
$R_{th(c-h)}$	Thermal resistance (case to heatsink)	Mounting surface flat, smooth and greased	0,100 °C/W
T_{jmax}	Operating junction temperature		-40 / 150 °C
Top	Operating temperature		-40 / 150 °C
T_{stg}	Max storage temperature		-40 / 150 °C
V_{INS}	RMS Insulating voltage	50 / 60 Hz t = 60 s (i < 1 mA)	2500 V
		50 / 60 Hz t = 1 s (i < 1 mA)	3000 V
M_D	Mounting torque	Max	1,5 Nm
M_T	Terminal torque	Max	1,5 Nm



Scomes srl reserves the right to change any specification without notice

S.CO.M.E.S. srl Via Enrico Mattei,6/8 26823 Castiglione d'Adda(LO)-IT
Phone:+39 0377 901243 Fax:+39 0377 900206