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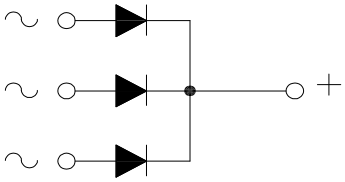
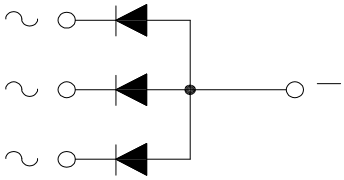
MSS150.16 P
MSS150.16 N

INSULATED STANDARD RECOVERY DIODE MODULE

Output Current **150 A**

Blocking Voltage **1600 V**





Features

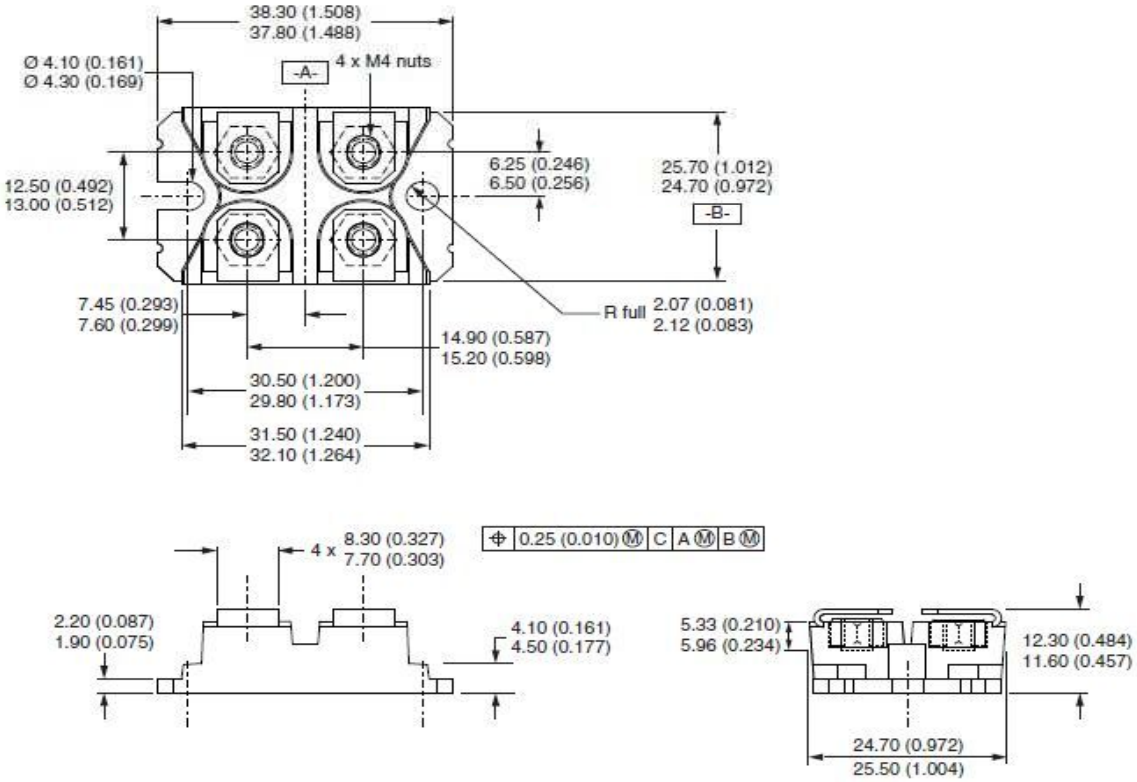
Ultrafast recovery time
Low forward voltage
High surge current capability
Low leakage current
Pb-free finished; **RoHS compliant**

Applications

Alternators
Generators
Input bridges
DC motors rectifiers
Battery charges

Characteristics		Conditions	Value
V_{RRM}	Max repetitive peak reverse voltage	Tj = 25 °C	1600 V
$I_{F(AV)}$	Average forward current	Tc = 70 °C	150 A
I_r	Reverse current, drain current	Tj = 25 °C	0,3 mA
		Tj = 150 °C	3,2 mA
V_F	Forward drop voltage	Tj= 25 °C @ 100A	1,48 V
		Tj = 150 °C @ 100A	1,09 V
I_{FSM}	Surge forward current	Half sine wave, 10 ms	1500 A
I_{rm}	Max reverse recovery current	Tc = 25 °C	11 A
		Tc = 100 °C	28 A
$R_{th(j-c)}$	Thermal resistance (junction to case)	Mounting surface flat, smooth and greased	0,650 °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 / 175 °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

(dimensions in mm/inch)



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