

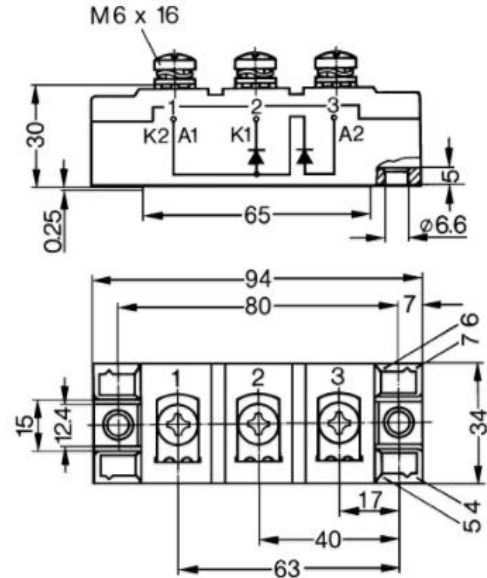
Dual Diode Isolated Module

FEATURES

- Electrically Isolated Heatsinking
- Metal Baseplate
- Low Thermal Impedance For Improved Current Capability
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Power supplies
- Bridge Circuits
- AC/DC Motor Drives



ABSOLUTE MAXIMUM RATINGS

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT
V_R	Repetitive Peak Reverse Voltage		800	V
$I_{F(AV)}$	Average Forward Current	180° conduction, $T_C=100^\circ\text{C}$	160	A
I_{FSM}	Non-Repetitive, Peak On Cycle Surge Forward Current	60Hz, 100% V_{RRM} reapplied, $T_J=150^\circ\text{C}$	3500	A
		60Hz, No V_{RRM} reapplied, $T_J=150^\circ\text{C}$	4200	
		50Hz, 100% V_{RRM} reapplied, $T_J=150^\circ\text{C}$	3350	
		50Hz, No V_{RRM} reapplied, $T_J=150^\circ\text{C}$	4000	
Viso	Isolated Voltage	$T_C=25^\circ\text{C}$, 1sec	2500	V
T_J	Junction Temperature		-40~150	$^\circ\text{C}$
T_{stg}	Storage Temperature Range		-40~150	$^\circ\text{C}$

**THERMAL CHARACTERISTICS**

SYMBOL	PARAMETER		MAX	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case	Per module, both conducting	0.1	°C/W
		Per junction, both conducting	0.2	

ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V _F	Forward Voltage drop	I _F = 520A, 180° conduction	1.43	V
I _R	Instantaneous Reverse Current	V _R =800V, T _J = 150°C	20	mA

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