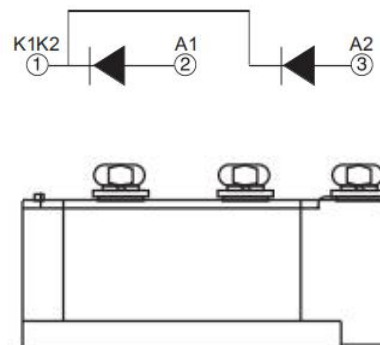


FEATURES

- 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

- Battery charges
- AC/DC motor drives
- Power Supplies

ABSOLUTE MAXIMUM RATINGS

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT
V_{RRM}	Repetitive Peak Reverse Voltage		2000	V
$I_{F(AV)}$	Average Forward Current	$T_c=100^{\circ}\text{C}$, 180° conduction, sine, 50Hz	600	A
$I_{F(RMS)}$	R.M.S. Forward Current		1256	A
I_{FSM}	Surge Forward Current	10ms, half sine wave, $V_R=0.6V_{RRM}$ $T_j=150^{\circ}\text{C}$	18	KA
I^2t	I^2t for fusing		1650	KA _{2s}
T_j	Junction Temperature		-40~150	°C
T_{stg}	Storage Temperature Range		-40~150	°C
V_{iso}	Isolation Breakdown Voltage (R.M.S.)		2500	V

Dual Diode Isolated Module

THERMAL CHARACTERISTICS

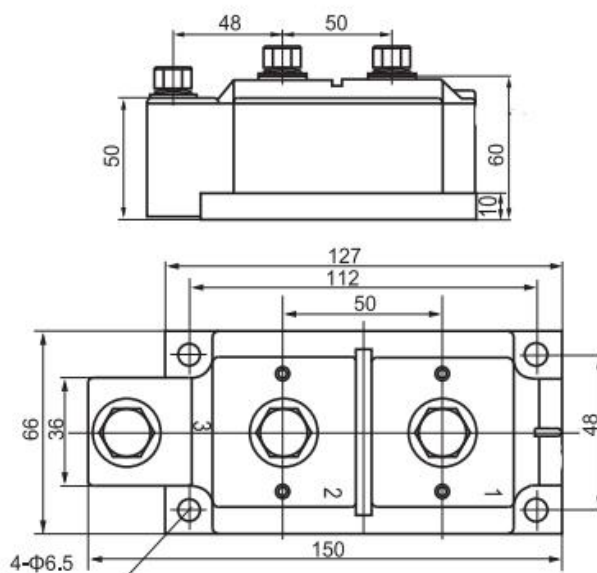
SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance, Junction to Case	0.08	$^{\circ}C/W$

ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V_{FM}	Forward Voltage drop	$I_{FM}=1500A$	1.18	V
I_{RRM}	Repetitive Peak Reverse Current	$V_R=V_{RRM}, T_j=150^{\circ}C$	40	mA

PACKAGE OUTLINE

Dimensions in mm (1mm = 0.0394")



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