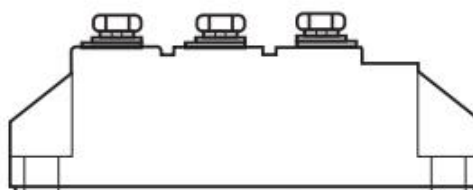
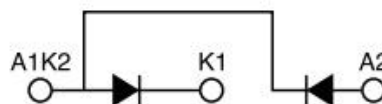


**FEATURES**

- Full crimping structure, sensitive to temperature and power cycle duty
- Compact and lightweight
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

**APPLICATIONS**

- AC/DC motor controllers


**ABSOLUTE MAXIMUM RATINGS**

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT
$V_{RRM}$	Repetitive Peak Reverse Voltage	$t_p=10ms$	1600	V
$I_{F(AV)}$	Average Forward Current	Single phase, half-wave 180° condition	30	A
$I_{FSM}$	Surge Forward Current	Single phase, half-wave, $V_R=0.6V_{RRM}$	600	A
$T_J$	Junction Temperature		-40~125	°C
$T_{stg}$	Storage Temperature Range		-40~125	°C

**THERMAL CHARACTERISTICS**

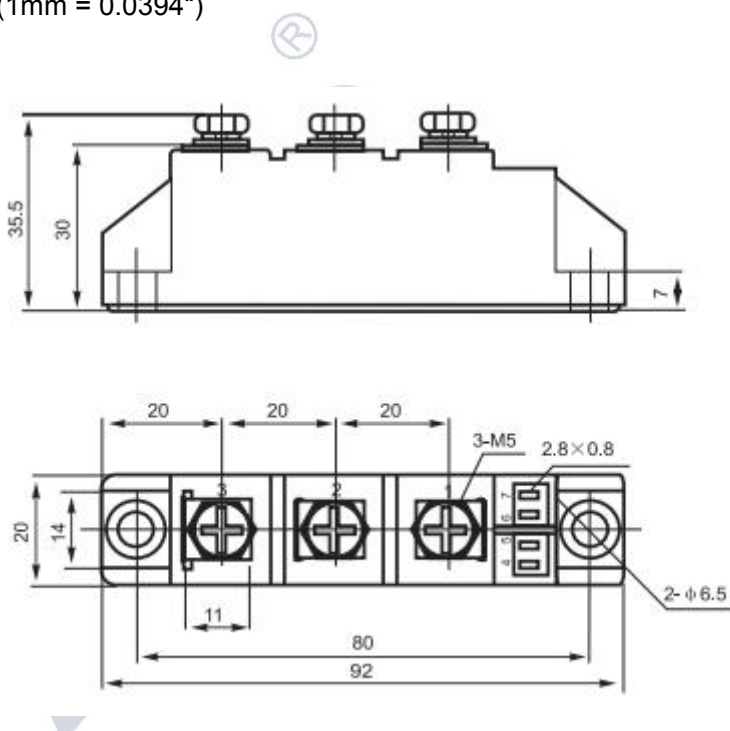
SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance, Junction to Case	0.7	°C/W

### ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
$V_F$	Forward Voltage drop	$I_F = 170A$ , $T_J = 25^\circ C$	1.5	V
$I_{RRM}$	Instantaneous Reverse Current	$V_R = 1600V$ , $T_J = 125^\circ C$	15	mA

### PACKAGE OUTLINE

Dimensions in mm (1mm = 0.0394")



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