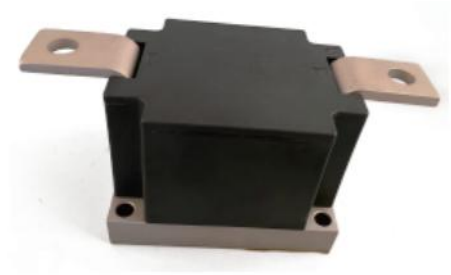


**FEATURES**

- Heat transfer through aluminium nitride ceramic isolated metal baseplate
- Precious metal pressure contacts
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

**APPLICATIONS**

- Non-controllable rectifiers for AC/DC converters
- Line rectifiers for transistorized AC motor controllers
- Field supply for DC motor

**ABSOLUTE MAXIMUM RATINGS**

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT
$V_{RRM}$	Repetitive Peak Reverse Voltage	$t_p=10ms$	1800	V
$I_{TAV}$	Average Forward Current	$T_c = 100^{\circ}C$	1100	A
$I_{FSM}$	Surge Forward Current	$V_R=0.6V_{RRM}$	40	KA
$I^2t$	$I^2t$ for fusing		405	KA <sup>2</sup> s
$V_{iso}$	Isolated Voltage	50Hz, R.M.S, $t=1min$ , $I_{iso}: 1mA(max)$	3000	V
$T_J$	Junction Temperature		-40~125	$^{\circ}C$
$T_{stg}$	Storage Temperature Range		-40~125	$^{\circ}C$

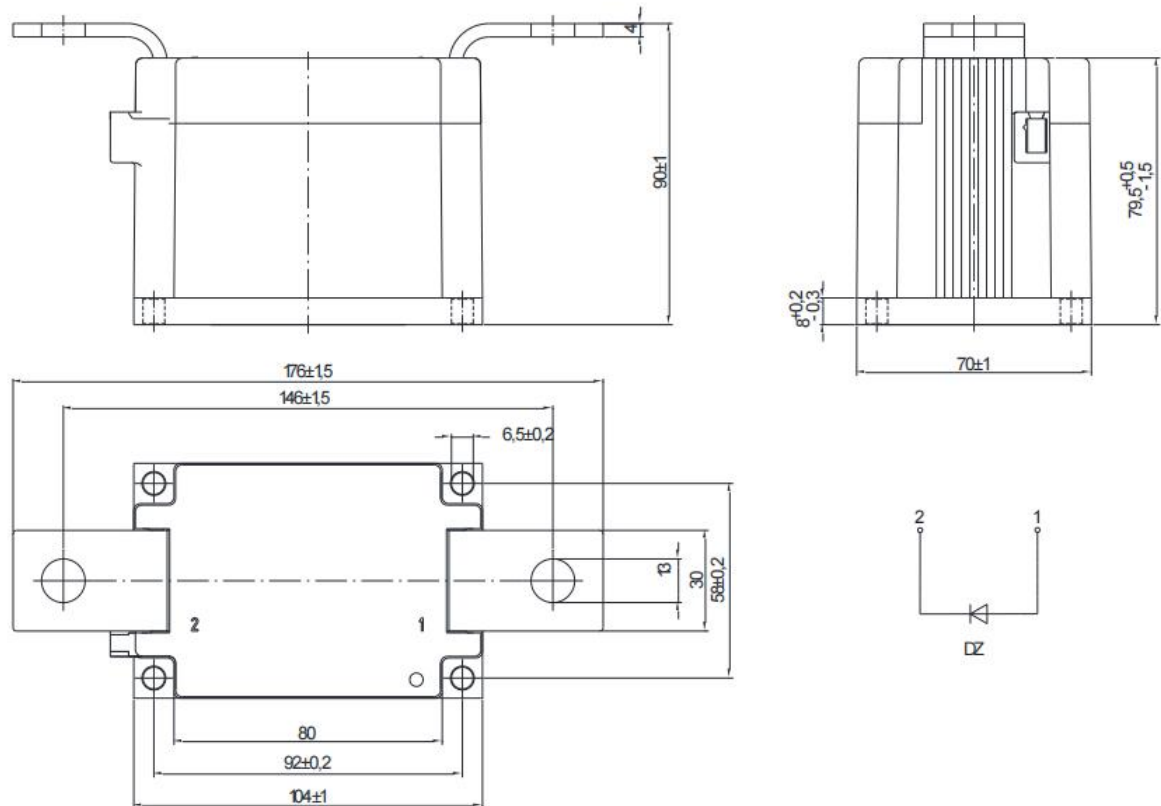
**THERMAL CHARACTERISTICS**

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance, Junction to Case	0.048	$^{\circ}C/W$

**ELECTRICAL CHARACTERISTICS**

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
$V_{FM}$	Forward Voltage drop	$T_{vj} = 25^{\circ}C$ ; $I_{FM} = 3000A$	1.11	V
$I_{RRM}$	Instantaneous Reverse Current	$T_{vj} = 125^{\circ}C$ ; $V_{RD}=V_{RRM}$	120	mA

### PACKAGE OUTLINE



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