

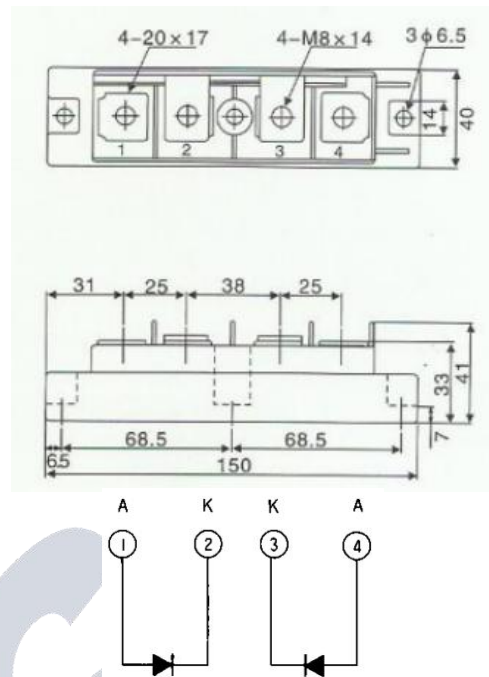
## Diode Module

### FEATURES

- Large Capacitance
- Insulated Type
- Easy Connection
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

### APPLICATIONS

- Inverters
- Battery Chargers
- Switching power supply



### ABSOLUTE MAXIMUM RATINGS

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT
$V_{RRM}$	Repetitive Peak Reverse Voltage	$I_R=100\mu A$	800	V
$I_{F(AV)}$	Average Forward Current	$T_c=90^\circ C$	250*2	A
$I_{FSM}$	Surge Forward Current		5000	A
Viso	Isolation Voltage		2500	V
$T_J$	Junction Temperature		-40~150	$^\circ C$
$T_{stg}$	Storage Temperature Range		-40~125	$^\circ C$

### THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance, Junction to Case	0.1	$^\circ C/W$

**ELECTRICAL CHARACTERISTICS**

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V <sub>FM</sub>	Forward Voltage drop	I <sub>F</sub> = 750A, T <sub>J</sub> = 25°C	1.3	V
I <sub>RRM</sub>	Instantaneous Reverse Current	V <sub>R</sub> = V <sub>RRM</sub> , T <sub>J</sub> =125°C	40	mA

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