

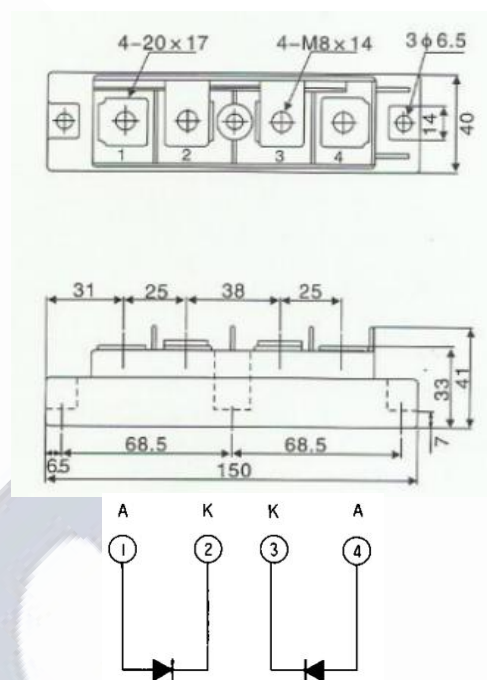
Diode Module

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 _{FM}	Forward Voltage drop	I _F = 750A, T _J = 25°C	1.3	V
I _{RRM}	Instantaneous Reverse Current	V _R = V _{RRM} , T _J =125°C	40	mA