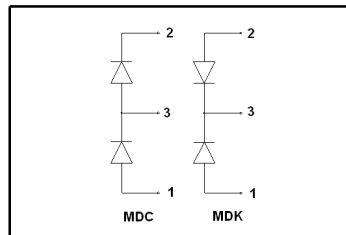


### Features

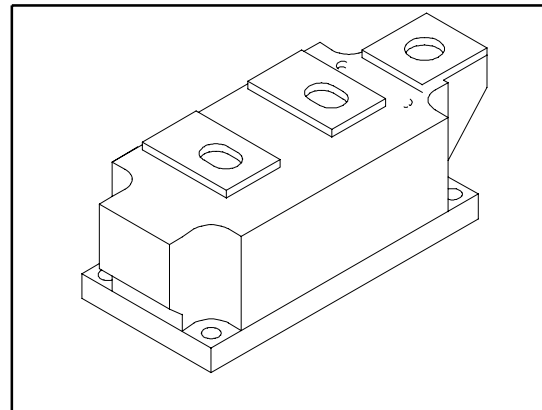
- International standard package  
 With ALN ceramic internal insulation
- High surge capability



**VRRM = 1200~2400v**  
**IFAVM = 2x400A**  
**IFRMS = 2X624A**

### Benefits

- Supplies for DC power equipment
- DC supply for PWM inverter
- Field supply for DC motors
- Battery DC power supplies



### Absolute Maximum Ratings

Symbol	Test Conditions	Max.	Units
VRRM		1800/2000/2400	V
IFRMS	TvjM=150 °	624	A
IFAVM	Tc =80°C;180° Sine	400	A
	Tc=100 °C;180° Sine	360	A
IFSM	Tvj=45°C; t=10ms (50 Hz),sine	14200	A
	Tvj=150°C; t=10ms (50 Hz),sine	12000	A
I²t	Tvj=45°C; t=10ms (50 Hz),sine	1100000	A²s
	Tvj=150°C; t=10ms (50 Hz),sine	916600	A²s
VISOL	RMS Isolation Voltage, Any Terminal To Case, t=1 min	3000	V
TVJ		-40 to +150	°C
TVJM		150	
TSTG		-40 to +125	

# MDC400TG240

# MDK400TG240

## Thermal/Mechanical Characteristics

	Parameter	Typ.	Max.	Units
R <sub>θJC</sub>	thermal resistance , junction to case/per Module		0.0490	° CW
		-		
			-	
	Mouting Torque, Case-to-Heatsink	-	6.0	N.m
	Mouting Torque, Case-to-Terminal 1,2 & 3	-	12.0	
	Weight of Module	-	1400	g

## Electrical Characteristics (unless otherwise specified)

	Parameter	Min.	Typ.	Max.	Units	Conditions
I <sub>R</sub>	Diode Leaking Current	-	-	5	mA	T <sub>VJ</sub> =25°C V <sub>R</sub> =V <sub>RRM</sub>
		-	-	60	mA	T <sub>VJ</sub> =150°C V <sub>R</sub> =V <sub>RRM</sub>
V <sub>F</sub>	Diode Forward Voltage	-	-	1.3	v	I <sub>F</sub> =1200 T <sub>VJ</sub> =150°C
V <sub>TO</sub>	For power-loss calculations only	-	-	0.81	V	T <sub>VJ</sub> =150°C
r <sub>T</sub>		-	-	0.30	mΩ	

## Case Outline-TG2

