

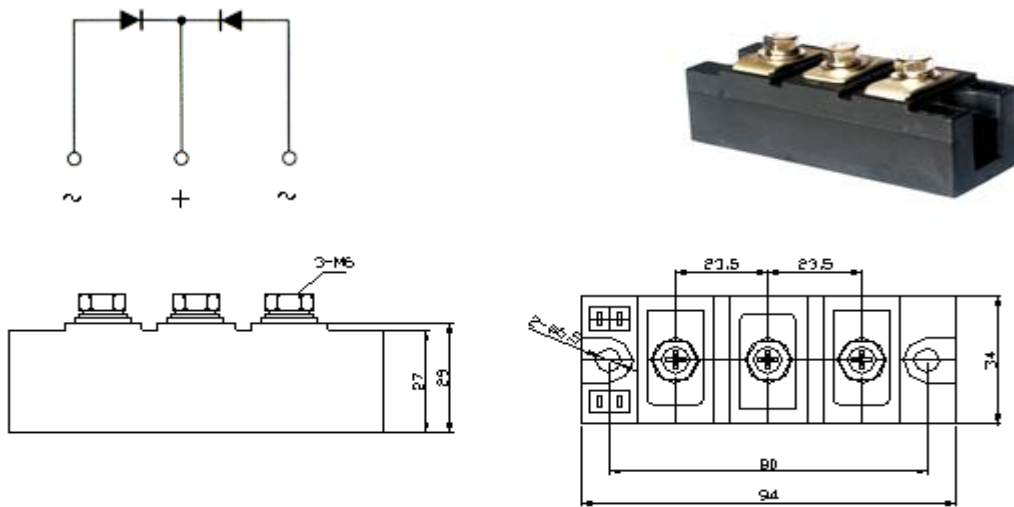
Diode Modules

MDK 200

$$I_{FAV} = 200A$$

$$V_{RRM} = 1000-2400V$$

V_{RRM} (V)	V_{RSM} (V)	TYPE
1000	1100	MDK200-10
1200	1300	MDK200-12
1600	1700	MDK200-16
1800	1900	MDK200-18
2200	2300	MDK200-22
2400	2500	MDK200-24



Maximum Ratings

Symbol	Item	Conditions	Ratings	Unit
$I_F(AV)$	Average Forward Current	Single phase, half wave, 180° conduction, $T_c=96^\circ C$	200	A
$I_F(RMS)$	R.M.S. Forward Current	Single phase, half wave, 180° conduction, $T_c=96^\circ C$	310	A
I_{FSM}	Surge Forward Current	1/2 cycle, 50/60Hz, peak value, non-repetitive	5000/5500	A
I_t^2	I_t^2	Value for one cycle of surge current	125000	$A^2 S$
T_j	Junction Temperature		-40 to +150	$^\circ C$
T_{stg}	Storage Temperature		-40 to +125	$^\circ C$
V_{iso}	Isolation Breakdown Voltage (R.M.S.)	Main Terminal to case 1minute	2500	V



M _d	Mounting torque	Mounting(M6)	Recommended Value 2.5-3.9 (25-40)	4.7 (48)	N m(kgf cm)
		Terminal(M6)	Recommended Value 2.5-3.9 (25-40)	4.7 (48)	

Electrical Characteristics

Symbol	Item	Conditions	Ratings	Unit
I _{RRM}	Repetitive Peak Reverse Current, max.	T _j =150 °C at V _{RRM} , Singe phase, half wave	8.0	mA
V _{FM}	Forward Voltage Drop, max.	Foward current 200A , T _j =25 °C Inst. measurement	1.4	V
R _{th(j-c)}	Thermal Impedance, max.	Junction to case	0.18	°C/W

