

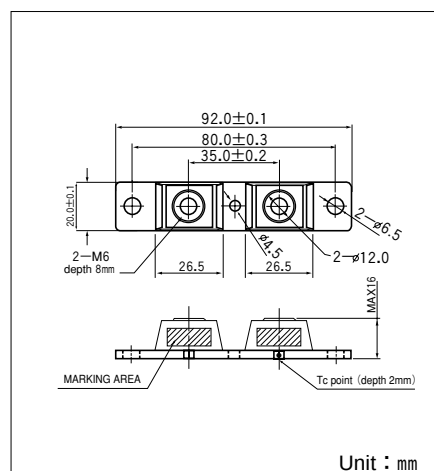
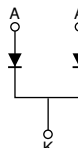
DKR200AB60

DKR200AB60 is a high speed (fast recovery) dual diode module designed for high power switching application. **DKR200AB60** is suitable for high frequency application requiring low loss and high speed control.

- High Speed Diode $t_{rr} \leq 200\text{ns}$
- $I_{F(AV)} = 100\text{A}$ (each device)
- High Surge Capability

High Charge (Applications)

Switching Power Supply, Inverter Welding Power Supply
Power Supply for Telecommunication



■ Maximum Ratings

(Tj=25°C unless otherwise specified)

Symbol	Item	Ratings	Unit
		DKR200AB60	
V _{RRM}	Repetitive peak reverse Voltage	600	V
V _{R(DC)}	D.C. Reverse Voltage	480	V

Symbol	Item		Condition	Ratings	Unit
I _F	Forward Current	Per module	D.C. T _c =133℃	200	A
		Per leg		100	
I _{FSM}	Surge Forward Current		1/2cycle, 60Hz, Peak value. non-repetitive	3600	A
			1/2cycle, 50Hz, Peak value. non-repetitive	3200	
I ² t	I ² t (for fusing)		Value for one cycle surge current	54000	A ² S
T _j	Operating Junction Temperature			−40 to +150	℃
T _{stg}	Storage Temperature			−40 to +125	℃
	Mounting Torque	Mounting (M6)	Recommended Value 25-40	48	(kgf·cm)
			Recommended Value 2.5-3.9	4.7	N·m
		Mounting (M4)	Recommended Value 10-14	15	(kgf·cm)
			Recommended Value 1.0-1.4	1.5	N·m
		Terminal (M6)	Recommended Value 25-40	48	(kgf·cm)
			Recommended Value 2.5-3.9	4.7	N·m
	Mass		Typical Value	80	g

■ Electrical Characteristics

Symbol	Item	Condition	Ratings			Unit
			Min.	Typ.	Max.	
I _{RRM}	Repetitive Peak Reverse Current	T _J =125°C, V _D =V _{RRM}			200	mA
V _{FM}	Forward Voltage Drop	I _F =200A, Inst.measurement			1.4	V
t _{rr}	Reverse Recovery Time	I _F =200A, -di/dt=200A/μs		100	200	ns
R _{th(j-c)}	Thermal Impedance	Junction to case, 1/2 module			0.063	°C/W

