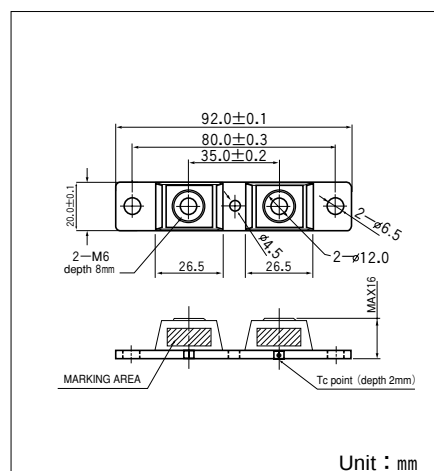
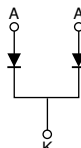


DKR300AB60

(Applications)

Power Supply for Telecommunication



(Tj=25°C unless otherwise specified)

Symbol	Item	Ratings	Unit
		DKR300AB60	
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 =124℃	300	A
		Per leg		150	
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	$T_J=125^{\circ}\text{C}$, $V_D=V_{RRM}$			200	mA
V_{FM}	Forward Voltage Drop	$I_F=300\text{A}$, Inst.measurement			1.4	V
t_{rr}	Reverse Recovery Time	$I_F=300\text{A}$, $-di/dt=300\text{A}/\mu\text{s}$		100	200	ns
$R_{th(j-c)}$	Thermal Impedance	Junction to case, $1/2$ module			0.063	$^{\circ}\text{C}/\text{W}$

