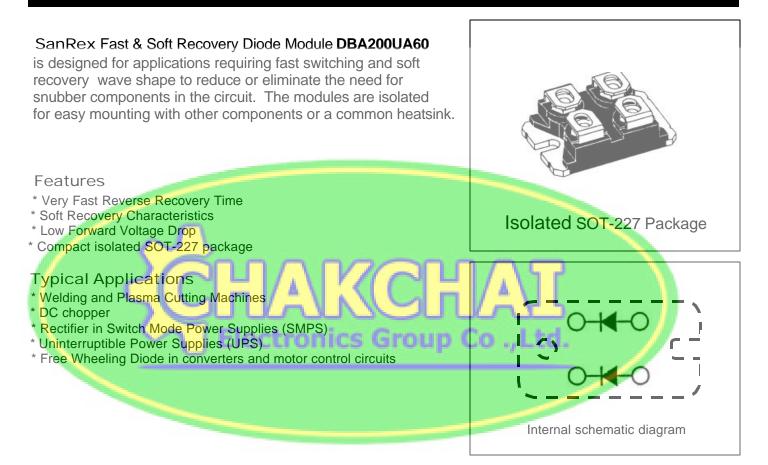
Fast & Soft Recovery Diode

DBA200UA60

IF(AV)= 2x100A, VRRM=600V, trr=150ns

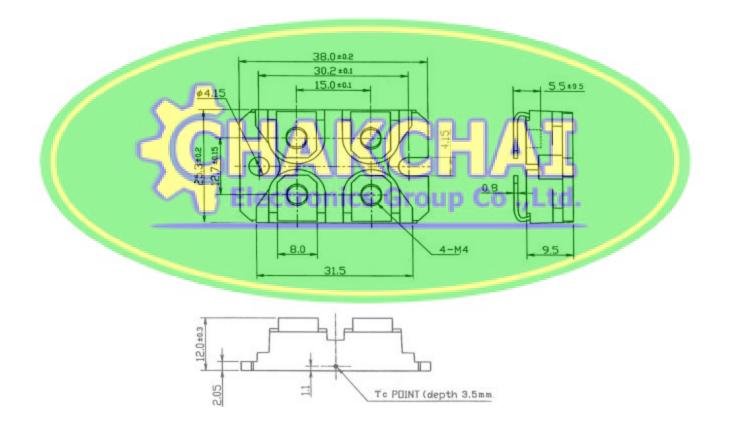


Maximur	n Ratings >		Tj = 25 [°] C (unless otherwise note	d) per diode
Symbol		Item	Conditions	Ratings	Unit
V _{RRM}	Repetitive Voltage	Peak Reverse		600	V
V _{R(DC)}	Reverse D	C. Voltage		480	V
I _{F(AV)}	Average Fo	Average Forward Current D.C., $T_{C} = 89^{\circ}C$			А
I _{FSM}	Surge Forward Current		1/2 cycle, 60Hz, Peak value, non-repetitive	700	А
l ² t	I ² t (for fusing)		Value for one cycle surge current	2100	A ² s
Tj	Junction Temperature			-40 to +150	°C
Tstg	Storage Temperature			-40 to +125	°C
V _{ISO}	Isolation Voltage (R.M.S.)		A.C. 1 minute	2500	V
	Mounting	Mounting M4	Recommended 1.0-1.4	1.5	N∙m
	Torque	Terminal M4	Recommended 1.0-1.4	1.5	
	Mass		Typical Value	30	g

Fast & Soft Recovery Diode

DBA200UA60

Symbol	Item	Conditions	Ratings			Unit
			Min.	Тур.	Max.	
I _{RRM}	Repetitive Peak Reverse Current	V _R = V _{RRM,} Tj= 150°C			100	mA
V _{FM}	Forward Voltage Drop	I _F = 100A, Inst. measurement		1.20	1.35	V
t _{r r}	Reverse Recovery Time	I_F = 100A, V_R =300V, -di / dt = 200A/Fs		150	250	n s
Rth(j-c)	Thermal Resistance	Junction to case			0.45	°C/W



* Dimensions in millimeters