

1200V Fast Recovery Diode

FEATURES

- Very fast recovery time
- Soft recovery characteristics
- Low forward voltage
- Low leakage current
- Low recovery loss

APPLICATIONS

- Freewheeling
- Switching power supply
- Ultrasonic Cleaner
- Inversion Welder



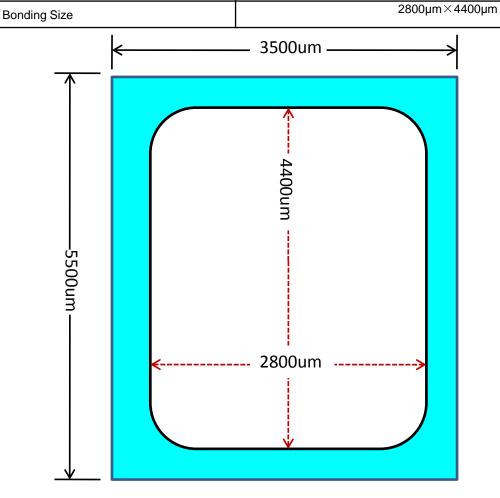
Electrical Characteristic $T_J = 25^{\circ}C$, unless otherwise noted						
Parameter	Symbol	Test Conditions	Value			l locit
			Min.	Тур.	Max.	Unit
Static						
Repetitive Reverse Voltage	V_{RRM}	$I_R = 50\mu A$	1200			>
Reverse leakage current	I _{RM}	$V_R = 1200V, T_J = 25^{\circ}C$			250	- μΑ
		$V_R = 1200V, T_J = 125^{\circ}C$			1000	
Average Forward Current	I _{F(AV)}	$T_C = 100^{\circ}C$, Duty = 0.5		30		Α
Forward Voltage	V _F	$I_F = 30A, T_J = 25^{\circ}C$			2.68	V
		$I_F = 30A, T_J = 125$ °C			1.71	V
Reverse Recovery Time	t _{rr}	$I_F = 1A, V_R = 30V,$ di/dt = -200A/µs		40		ns
		$I_F = 30A, V_R = 600V,$ $di/dt = -200A/\mu s$		80		ns
Reverse Recovery Time	t _{rr}	$I_F = 30A$, $V_R = 600V$, $di/dt = -200A/\mu s$, $T_J = 100^{\circ}C$		200		ns
Reverse Recovery Charge	Q_{rr}			1100		nC
Max Reverse Recovery Current	I _{RRM}			13		А
Operating and Storage Temperature Range	T_J,T_stg	-55~+150				°C



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Chip Information Wafer size 6inch Die thickness $460\!\pm\!20\mu m$ Top metal ΑI Back metal Ag Scribe line width 80um Die size (with scribe line) $3500\mu m \times 5500\mu m$ Gross die per wafer 730





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