

ZW9200- WELDING DIODE

200-400V_{RRM}

WELDING DIODE

Features:

- . All diffused structure
- . High current density
- . Very low forward voltage drop
- . Ultra-low thermal resistance

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ELECTRICAL CHARACTERISTICS AND RATINGS

Reverse Blocking

V_{RRM} = Repetitive peak reverse voltage
 V_{RSM} = Non repetitive peak reverse voltage (2)

Repetitive peak reverse leakage current	I _{RRM}	2 mA 50 mA (3)
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Conducting - on state

Parameter	Symbol	Min.	Max.	Typ.	Units	Conditions
Average forward current	I _{F(AV)}		9200		A	Sinewave 180°, T _c =85
RMS forward current	I _{FRMS}		14444		A	
Peak one cycle surge (non repetitive) current	I _{FSM}		60000		A	Pulse width 10 msec, sinusoidal wave-shape, V _R =0V, T _j = 180
I square t	I ² t		18.0y 10 ⁶		A ² s	Pulse width 10 msec, sinusoidal wave-shape, T _j = 180
Peak forward voltage	V _{FM}		1.05		V	I _{FM} = 5000A;T _j =25°C
Threshold voltage	V _{FO}		0.81		V	T _j =180°C
Slope resistance	r _F		0.031		m	T _j =180°C
Reverse Recovery Current (4)	I _{RM(REC)}				A	

