

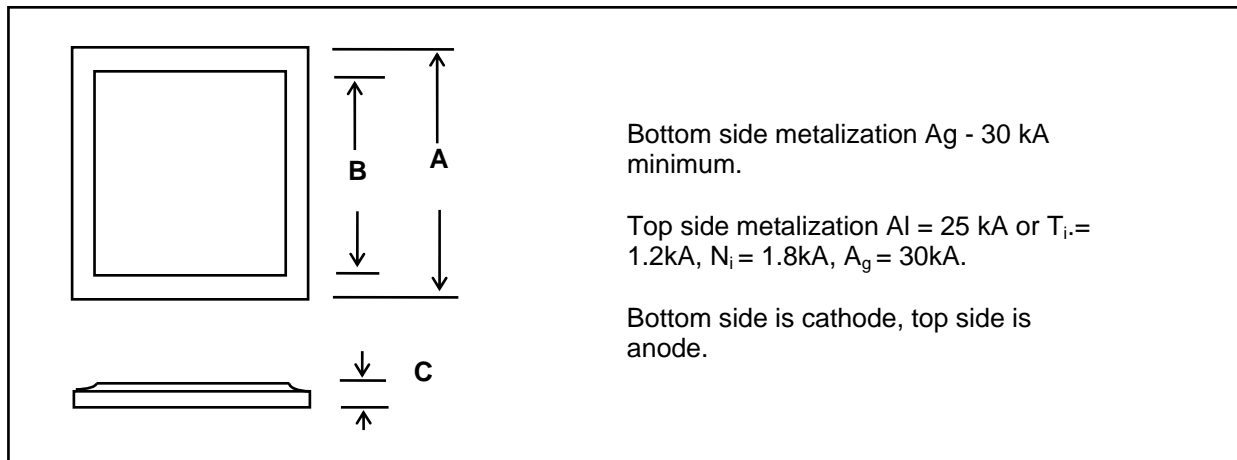
TECHNICAL DATA
DATA SHEET 884, REV. -

SILICON RECTIFIER DIE
ULTRAFAST RECOVERY

Electrical Characteristics

Parameter	Symbol	Min.	Max.	Unit
Peak Inverse Voltage	V_{RWM}	400	-	Volts
Max. Average DC Output Current	I_O	-	15	Amps
Max. Forward Voltage Drop @ 30A pulse $T_A = 25^\circ\text{C}$	V_F	-	1.2	Volts
Reverse Current @ V_{RWM} $T_A = 25^\circ\text{C}$ $T_A = 150^\circ\text{C}$	I_R	-	10 1.0	μAmps
Max. Reverse Recovery Time	t_{rr}	-	45	ns
Operating and Storage Temp.	$T_{OP} \& T_{STG}$	-55	+150	$^\circ\text{C}$
Maximum Junction Temperature	T_{JMAX}	-	175	$^\circ\text{C}$

Rectifier Die Outline



Die Type	Nominal Size (Inch)	A Inch (mm) +/- .003 (.077)	B Inch (mm) +/- .003 (.077)	C Inch (mm) +/- .001 (.026)
ULTRAFAST RECOVERY	.120	.120 (3.05)	.094 (2.38)	.010 (0.254)

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