

TECHNICAL DATA
DATASHEET 4233, Rev-

STANDARD RECOVERY SILICON RECTIFIER DIE

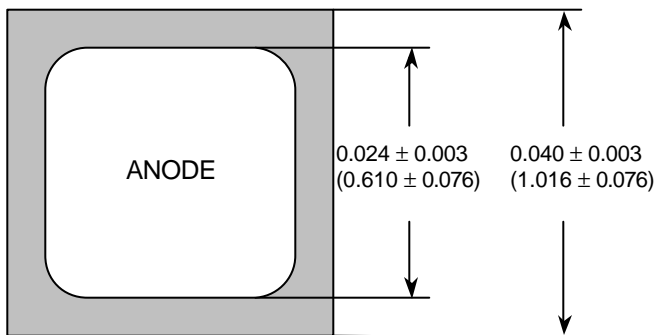
Maximum Ratings:

Characteristics	Symbol	Condition	Max.	Units
Peak Inverse Voltage	V_{RWM}	-	400	V
Max. Average Forward Current	$I_{F(AV)}$	@ 55°C	1.0	A
Die Size	-	-	40	mil
Max. Junction Temperature	T_J	-	-55 to +175	°C
Max. Storage Temperature	T_{stg}	-	-55 to +175	°C

Electrical Characteristics:

Characteristics	Symbol	Condition	Max.	Units
Max. Forward Voltage Drop	V_{F1}	@ 1.0A, Pulse, $T_J = 25\text{ °C}$	1.1	V
		Duty cycle $\leq 2\%$, pulse width $\leq 300\mu\text{s}$		
Max. Reverse Current	I_{R1}	@ $V_R = 200\text{V}$, Pulse, $T_J = 25\text{ °C}$	10	μA
	I_{R2}	@ $V_R = 200\text{V}$, Pulse, $T_J = 100\text{ °C}$	50	μA
Reverse Recovery Time	t_{rr}	$I_f = 500\text{mA}$, $I_r = 1\text{A}$, $I_{rm} = 250\text{mA}$	2000	ns

Mechanical Dimensions: In Inches / mm



Bottom side metalization: Ti/NiAg - 30 kÅ minimum.

Top side metalization: Al - 25 kÅ minimum

Bottom side is cathode, top side is anode.

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