

TECHNICAL DATA DATASHEET 4231, Rev-

FAST RECOVERY SILICON RECTIFIER DIE

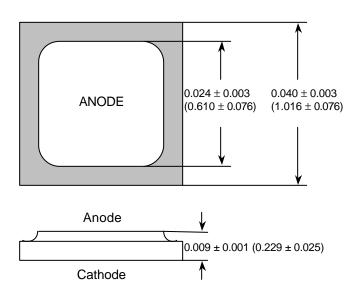
Maximum Ratings:

Characteristics	Symbol	Condition	Max.	Units
Peak Inverse Voltage	V_{RWM}	-	400	V
Max. Average Forward Current	I _{F(AV)}	@ 55°C	1.0	Α
Die Size	-	-	40	mil
Max. Junction Temperature	T_J	-	-55 to +175	°C
Max. Storage Temperature	T _{sta}	-	-55 to +175	°C

Electrical Characteristics:

Characteristics	Symbol	Condition	Max.	Units
Max. Forward Voltage Drop	V _{F1}	@ 1.0A, Pulse, T _J = 25 °C	1.2	V
		Duty cycle ≤ 2%, pulse width ≤		
		300μs		
Max. Reverse Current	I _{R1}	$@V_R = 400V$, Pulse, $T_J = 25 ^{\circ}C$	2	μΑ
	I _{R2}	$@V_R = 400V$, Pulse, $T_J = 100 ^{\circ}C$	100	μΑ
Reverse Recovery Time	t _{rr}	$I_f = 500 \text{mA}, I_r = 1 \text{A}, I_{rm} = 250 \text{mA}$	100	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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TECHNICAL DATA

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