TECHNICAL DATA
DATASHEET 4226, Rev-

FAST RECOVERY
SILICON RECTIFIER DIE

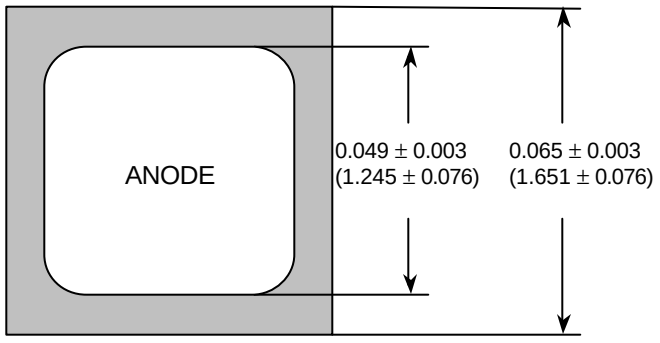
Maximum Ratings:

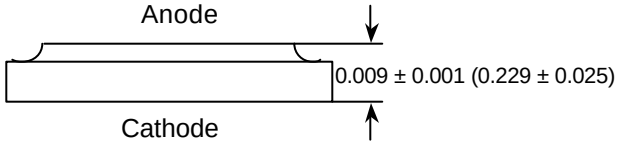
Characteristics	Symbol	Condition	Max.	Units
Peak Inverse Voltage	V_{RWM}	-	400	V
Max. Average Forward Current	$I_{F(AV)}$	@ 25°C	3.0	A
Die Size	-	-	65	mil
Max. Junction Temperature	T_J	-	-65 to +175	°C
Max. Storage Temperature	T_{stg}	-	-65 to +175	°C

Electrical Characteristics:

Characteristics	Symbol	Condition	Max.	Units
Max. Forward Voltage Drop	V_{F1}	@ 9.0A, Pulse, T_J = 25 °C Duty cycle ≤ 2%, pulse width ≤ 300µs	1.5	V
Max. Reverse Current	I_{R1}	@V_R = 400V, Pulse, T_J = 25 °C	2.0	µA
	I_{R2}	@V_R = 400V, Pulse, T_J = 100 °C	100	µA
Reverse Recovery Time	t_{rr}	I_f = 500mA, I_r = 1A, I_{rm} = 250mA	400	ns
Max. Junction Capacitance	C_T	T_C = 25 °C, f_{SIG} = 1MHz, V_{SIG} = 50mV (p-p) V_R = 0V V_R = 4V	 180 90	 pF pF

Mechanical Dimensions: In Inches / mm





Top side metalization - Aluminum - 25 kÅ

Bottom side metalization - Titanium 1.0 kÅ, Nickel 1.5 kÅ, Silver - 25 kÅ minimum

Bottom side is cathode, top side is anode.

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