TECHNICAL DATA
DATA SHEET 2022, REV. -

ULTRA FAST RECOVERY SILICON RECTIFIER DIE

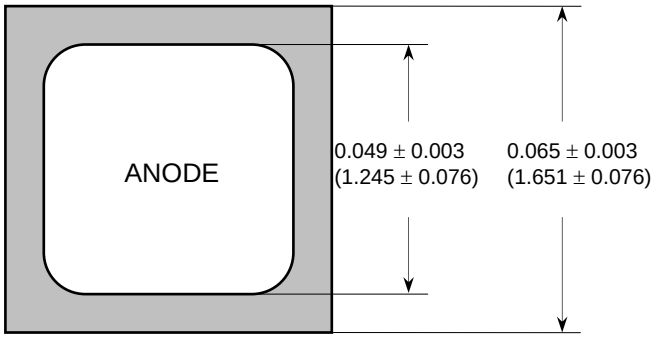
Maximum Ratings:

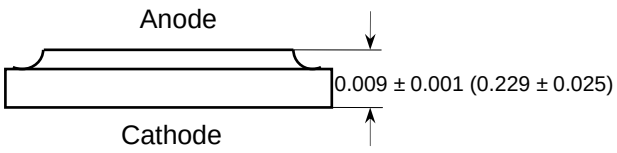
Characteristics	Symbol	Condition	Max.	Units
Peak Inverse Voltage	V_{RWM}	-	100	V
Max. Average Forward Current	$I_{F(AV)}$	@ 55°C	1.0	A
Die Size	-	-	65	mil
Max. Junction Temperature	T_J	-	-55 to +175	°C
Max. Storage Temperature	T_{stg}	-	-55 to +175	°C

Electrical Characteristics:

Characteristics	Symbol	Condition	Max.	Units
Max. Forward Voltage Drop	V_{F1}	@ 1.0A, Pulse, T_J = 25 °C Duty cycle ≤ 2%, pulse width ≤ 300μs	0.875	V
Max. Reverse Current	I_{R1}	@V_R = 100V, Pulse, T_J = 25 °C	1.0	μA
	I_{R2}	@V_R = 100V, Pulse, T_J = 100 °C	50	μA
Reverse Recovery Time	t_{rr}	I_f = 500mA, I_r = 500mA, I_{rm} = 50mA	25	ns

Mechanical Dimensions: In Inches (mm)





Bottom side metalization: Ti/Ni/Ag - 30 kÅ minimum.

Top side metalization: Al - 25 kÅ minimum

Bottom side is cathode, top side is anode.

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