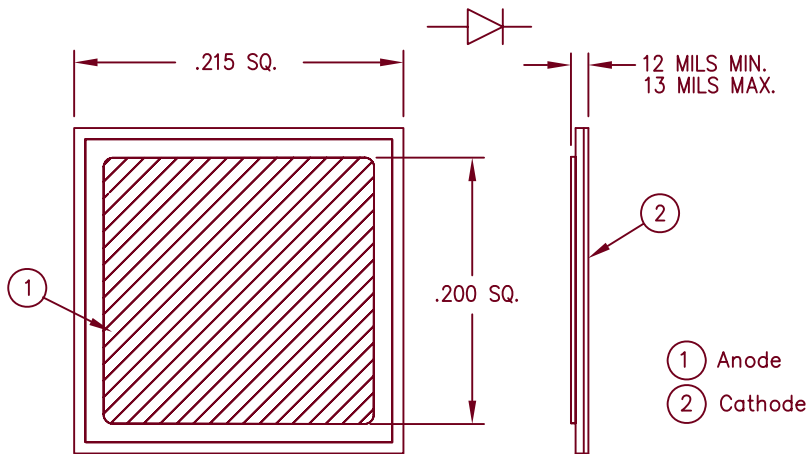


JANHC and JANKC Equivalents 1N6392 Schottky Rectifier Die



- Schottky Barrier Rectifier
- Guard Ring Protected
- 60A Average, 45V
- Solderable silver both sides
- Available with Al top and/or gold back – contact factory
- Cells with moly discs available – contact factory

Electrical Characteristics (Properly Packaged)

Average forward current	$I_{F(AV)}$ 60 Amps	$T_C = 115^\circ\text{C}$, Square wave, $R_{\theta JC} = 1.0^\circ\text{C/W}$
Maximum surge current	I_{FSM} 1000 Amps	8.3 ms, half sine, $T_J = 175^\circ\text{C}$
Max reverse energy	$I_{R(OV)}$ 2 Amps	$L = 260\mu\text{H}$, $\leq 1\%$ Duty Cycle
Max peak forward voltage	V_{FM} .51 Volts	$I_{FM} = 10\text{A}$: $T_J = 25^\circ\text{C}^*$
Max peak forward voltage	V_{FM} .68 Volts	$I_{FM} = 60\text{A}$: $T_J = 25^\circ\text{C}^*$
Max peak forward voltage	V_{FM} .82 Volts	$I_{FM} = 120\text{A}$: $T_J = 25^\circ\text{C}^*$
Max peak reverse current	I_{RM} 20 mA	V_{RRM} , $T_J = 25^\circ\text{C}$
Max peak reverse current	I_{RM} 60 mA	V_{RRM} , $T_J = 125^\circ\text{C}^*$
Max peak reverse current	I_{RM} 600 mA	V_{RRM} , $T_J = 175^\circ\text{C}^*$
Maximum junction capacitance	C_J 3000 pF	$V_R = 5.0\text{V}$, $T_J = 25^\circ\text{C}$

*Pulse test: Pulse width 300 μsec , Duty cycle 2%

Group A Die Element Evaluation Electrical Tests

Subgroup	Method	Symbol	Max. Limit	Unit
<u>Subgroup 2</u>	Forward voltage @ 120Apk	4011	V_{FM1} 0.82	V(pk)
	Forward voltage @ 60Apk	4011	V_{FM2} 0.68	V(pk)
	Forward voltage @ 10Apk	4011	V_{FM3} 0.51	V(pk)
	Reverse current @ 45V	4016	I_{RM1} 20	mA(pk)
<u>Subgroup 3</u>	Reverse current @ 45V, 175°C	4016	I_{RM2} 600	mA(pk)
	Reverse current @ 45V, 125°C	4016	I_{RM3} 60	mA(pk)
	Reverse current @ 45V, -55°C	4016	I_{RM4} 400	mA(pk)
	Forward voltage @ 10Apk, -55°C	4011	V_{FM4} 0.69	V(pk)
<u>Subgroup 4</u>	Reverse current @ $V_{RSM} = 54\text{V}$	4016	I_{RM5} 2	A(pk)
	Capacitance @ $V_R = 5\text{V}$	4001	C_T 3000	pF