

IR280DG.HCB SERIES

HIGH POWER RECTIFIER DIODES

- **Junction Size:** Square 280 mils
- **Wafer Size:** 4"
- **V_{RRM} Class:** 600 and 1200 V
- **Passivation Process:** Glassivated MESA
- **Reference IR Packaged Part:** 70HF Series

Major Ratings and Characteristics

Parameters	Units	Test Conditions
V _{FM} Maximum Forward Voltage	990mV	T _J = 25°C I _F = 25A
V _{RRM} Reverse Breakdown Voltage Range	600 and 1200V	T _J = 25°C I _R = 100μA (1)

(1) Nitrogen flow on die edge.

Mechanical Characteristics

Nominal Back Metal Composition, Thickness	Cr - Ni - Ag (1 KA - 4 KA - 6 KA)
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Chip Dimensions	280 x 280 mils (see drawing)
Wafer Diameter	100 mm, with std. < 110 > flat
Wafer Thickness	300μm
Maximum Width of Sawing Line	130μm
Reject Ink Dot Size	0.25 mm diameter minimum
Ink Dot Location	See drawing
Recommended Storage Environment	Storage in original container, in dessicated nitrogen, with no contamination

IR280DG.HCB Series

Bulletin I0135J 05/99

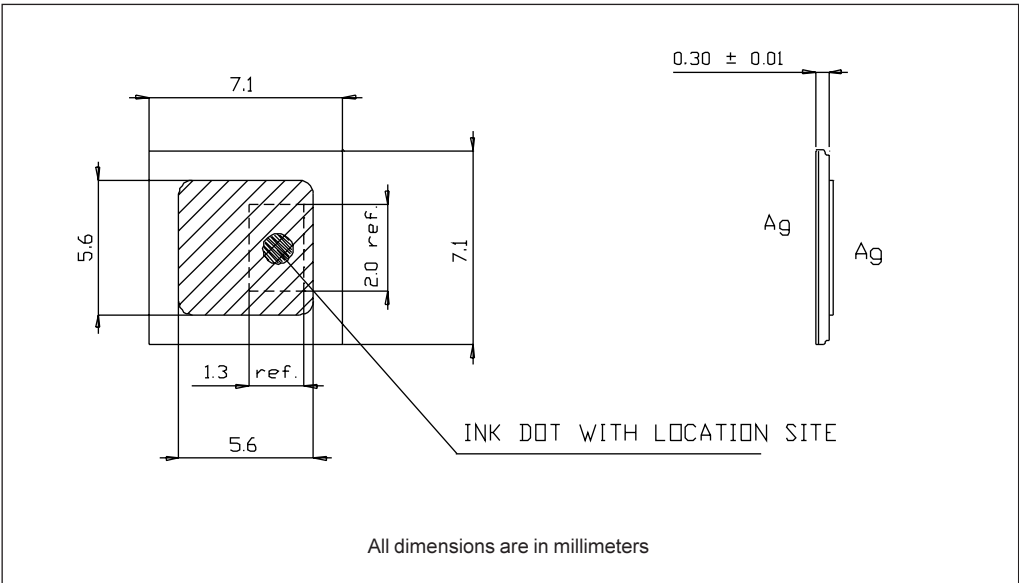


Ordering Information Table

Device Code						
IR	280	D	G	12	H	CB
①	②	③	④	⑤	⑥	⑦
1	- International Rectifier Device					
2	- Chip Dimension in Mils					
3	- Type of Device: D = Standard Recovery Diode					
4	- Passivation Process: G = Glassivated MESA					
5	- Voltage code: Code x 100 = V_{RRM}					
6	- Metallization: H = Silver (Anode) - Silver (Cathode)					
7	- Probed Uncut Die					

Available Class
06 = 600V
12 = 1200V

Outline Table



Wafer Layout

