

STANDARD RECOVERY DIODES

- Junction Size: Square 180 mils
- Wafer Size: 4"
- V_{RRM} Class: 800 and 1200 V
- Passivation Process: Glassivated MOAT
- Reference IR Packaged Part: 20ETS Series

Major Ratings and Characteristics

Parameters	Units	Test Conditions
V_{FM} Maximum Forward Voltage	1050 mV	$T_J = \text{Amb.}, I_F = 20 \text{ A}$
V_{RRM} Reverse Breakdown Voltage Range	800 and 1200 V	$T_J = \text{Amb.}, I_{RRM} = 100 \mu\text{A}$ (1)

(1) Nitrogen flow on die edge.

Mechanical Characteristics

Nominal Back Metal Composition, Thickness	Cr - Ni - Ag (1 KA - 4 KA - 6 KA)
Nominal Front Metal Composition, Thickness	100% Al, (20 μm)
Chip Dimensions	180 x 180 mils (see drawing)
Wafer Diameter	100 mm, with std. < 110 > flat
Wafer Thickness	300 μm
Maximum Width of Sawing Line	45 μm
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

IR180DM..CCB Series

Bulletin I0120J rev. A 02/97

International
IR Rectifier

Ordering Information Table

Device Code						
IR	180	D	M	12	C	CB
①	②	③	④	⑤	⑥	⑦

- 1** - International Rectifier Device
- 2** - Chip Dimension in Mils
- 3** - Type of Device: D = Wire Bondable Standard Recovery Diode
- 4** - Passivation Process: M = Glassivated MOAT
- 5** - Voltage code: Code x 100 = V_{RRM}
- 6** - Metallization: C = Aluminium (Anode) - Silver (Cathode)
- 7** - CB = Probed Uncut Die (wafer in box)
None = Probed Die in chip carrier

Available Class

08 = 800 V

12 = 1200 V

Outline Table



