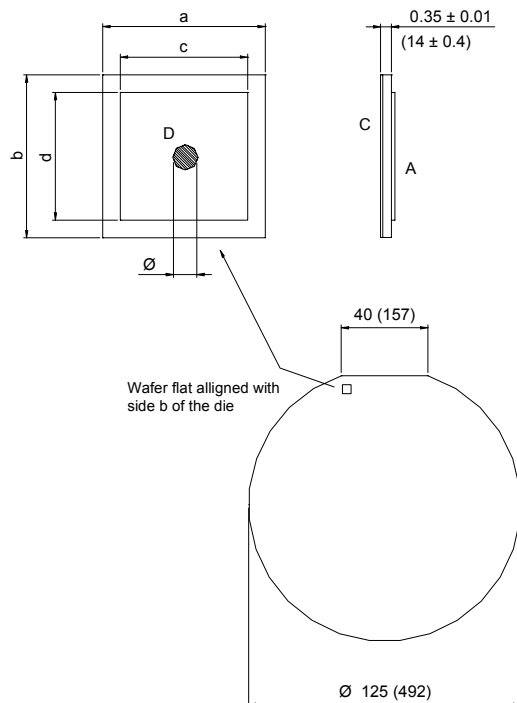


International
IOR Rectifier

SC036.....5. Series

SCHOTTKY DIE 036 x 036 mils



NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS (MILS).
2. CONTROLLING DIMENSION: (MILS).
3. DIMENSIONS AND TOLERANCES:
 $a = 0.91 + 0, - 0.01$
 $(36 + 0, - 0.4)$
 $b = 0.91 + 0, - 0.01$
 $(36 + 0, - 0.4)$
 $c = 0.76 + 0, - 0.01$
 $(30 + 0, - 0.4)$
 $d = 0.76 + 0, - 0.01$
 $(30 + 0, - 0.4)$
 $\varnothing = 0.5 \pm 0.1$
 (20 ± 4)
4. LETTER DESIGNATION:
A = Anode (Top Metal)
C = Cathode (Back Metal)
D = Reject Ink Dot (only on non-conforming dies)
5. SAWING:
Recommended Blade
SEMITEC S1025 QS00 Blade
Sawing Street
 $0.05 + 0, - 0.005$
 $(2 + 0, - 0.2)$

NOT TO SCALE

NOTE: 10 mils die thickness is available on specific request only.
Contact factory for information.

Electrical Characteristics

Device #	T _J Max. (°C)	V _R (V)	Typ. I _R @ 25°C (μA)	Typ. I _R @ 125°C (mA)	Max. V _F @ I _F (V)	Package Style
SC036 R 015x5x	125	15	200	12	0.34 @ 1A	SMB
SC036 S 020x5x	150	20	n.a. contact factory			
SC036 S 030x5x	150	30	15	6	n.a. contact factory	
SC036 S 045x5x	150	45	10	4	0.55 @ 1A	DO-41
SC036 S 060x5x	150	60	8	1.5	0.63 @ 1A	SMA
SC036 H 045x5x	175	45	n.a. contact factory			
SC036 H 100x5x	175	100	1	0.5	0.85 @ 1A	DO-41
SC036 H 150x5x	175	150	n.a. contact factory			

Mechanical Data

Device #		Metal Thickness Front Metal			Metal Thickness Back Metal		
SC036xxxx A 5x	Bondable	–	Al/Si 30 kÅ	–	Cr 1 kÅ	Ni 2 kÅ	Ag 3 kÅ
SC036xxxx S 5x	Solderable	Ti 2 kÅ	Ni 1 kÅ	Ag 35 kÅ	Cr 1 kÅ	Ni 2 kÅ	Ag 3 kÅ

Recommended Storage Environment: Store in original container, in dessicated nitrogen, with no contamination.

Shelf life for parts stored in above condition is 2 years.

If the storage is done in normal atmosphere shelf life is reduced to six months.

Packaging

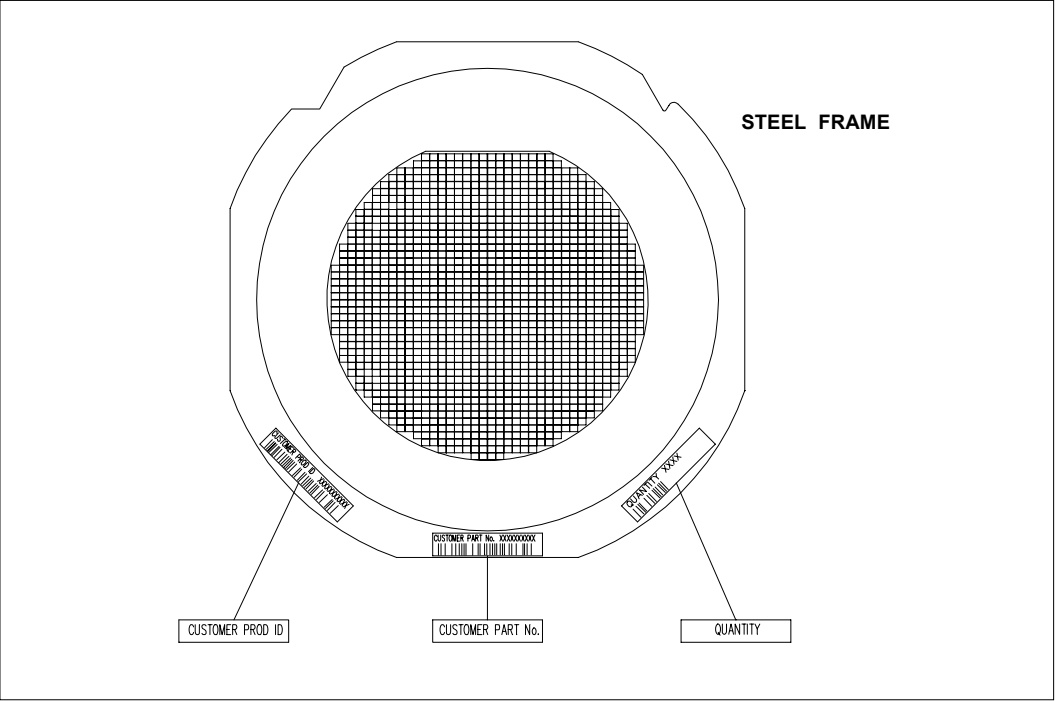
Device #	Description	Minimum Order Quantity Die in Sale Package
SC036xxxx B	Inked Probed Unsawn Wafer (Wafer in Box)	13000
SC036xxxx R	Probed Die in Tape & Reel	n.a.
SC036xxxx P	Probed Die in Waffle Pack	n.a.
SC036xxxx F	Inked Probed Sawn Wafer on Film	13000

Ordering Information Table

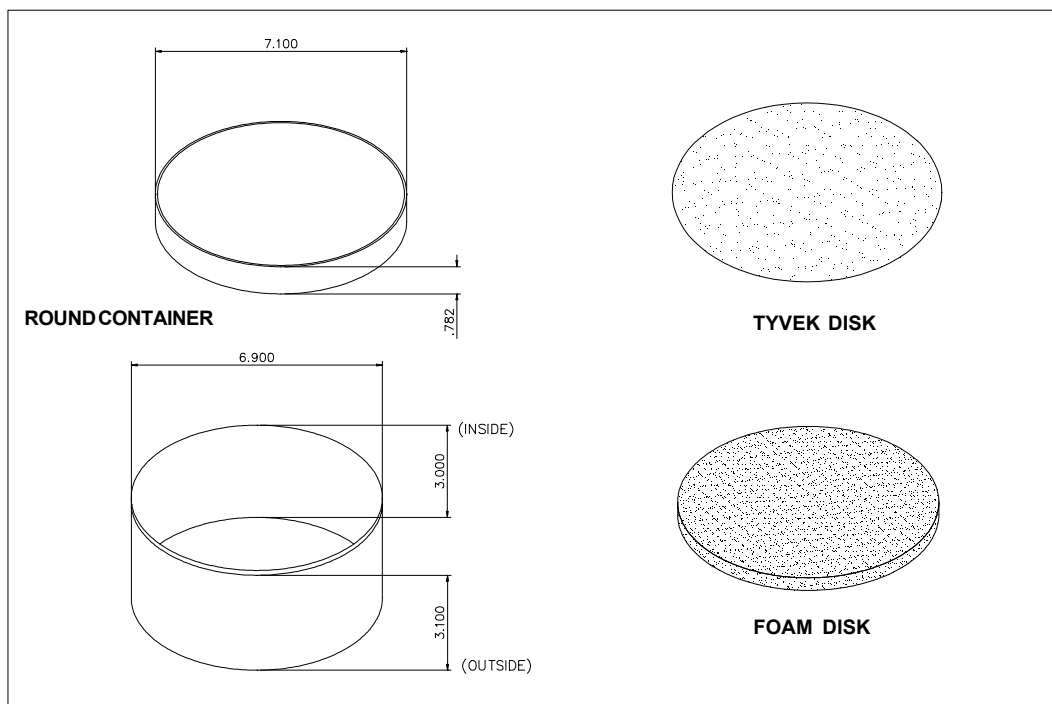
Device Code						
SC	036	S	060	A	5	B
1	2	3	4	5	6	7
1	- Schottky Die					
2	- Chip Dimension in Mils					
3	- Process (see Electrical Characteristics Table)					
4	- Voltage code: Code = V_{RRM}					
5	- Chip surface metallization (see Mechanical Data Table)					
6	- Wafer Diameter in inches					
7	- Packaging (see Packaging Table)					

H = 830 Process
R = OR'ing Process
S = Standard Process

Wafer on Film



Wafer in Box



Die in Waffle Pack

