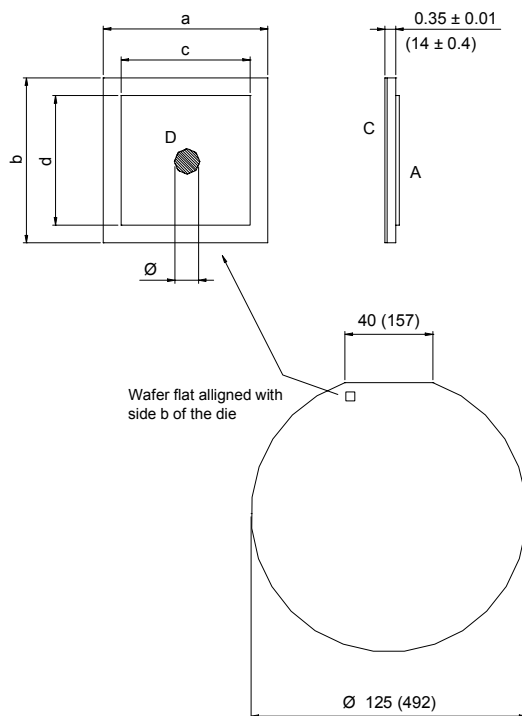


International
IOR Rectifier

SC060.....5. Series

SCHOTTKY DIE 060 x 060 mils



NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS (MILS).

2. CONTROLLING DIMENSION: (MILS).

3. DIMENSIONS AND TOLERANCES:

$a = 1.52 + 0, - 0.01$

(60 + 0, - 0.4)

$b = 1.52 + 0, - 0.01$

(60 + 0, - 0.4)

$c = 1.37 + 0, - 0.01$

(54 + 0, - 0.4)

$d = 1.37 + 0, - 0.01$

(54 + 0, - 0.4)

$\varnothing = 0.7 \pm 0.1$

(30 ± 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
SC060R015x5x	125	15	800	50	0.35 @ 3A	SMC
SC060S020x5x	150	20	n.a. contact factory			
SC060S030x5x	150	30	40	15	0.45 @ 3A	DPAK(TO-252)
SC060S045x5x	150	45	30	13	0.53 @ 3A	DPAK(TO-252)
SC060S060x5x	150	60	25	12	0.61 @ 3A	DPAK(TO-252)
SC060H045x5x	175	45	n.a. contact factory			
SC060H100x5x	175	100	2.5	1.5	0.81 @ 3A	DPAK(TO-252)
SC060H150x5x	175	150	n.a. contact factory			

Mechanical Data

Device #		Metal Thickness Front Metal			Metal Thickness Back Metal		
SC060xxxxA5x	Wire Bondable	—	Al 30 kÅ	—	Cr 1 kÅ	Ni 2 kÅ	Ag 3 kÅ
SC060xxxxS5x	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.

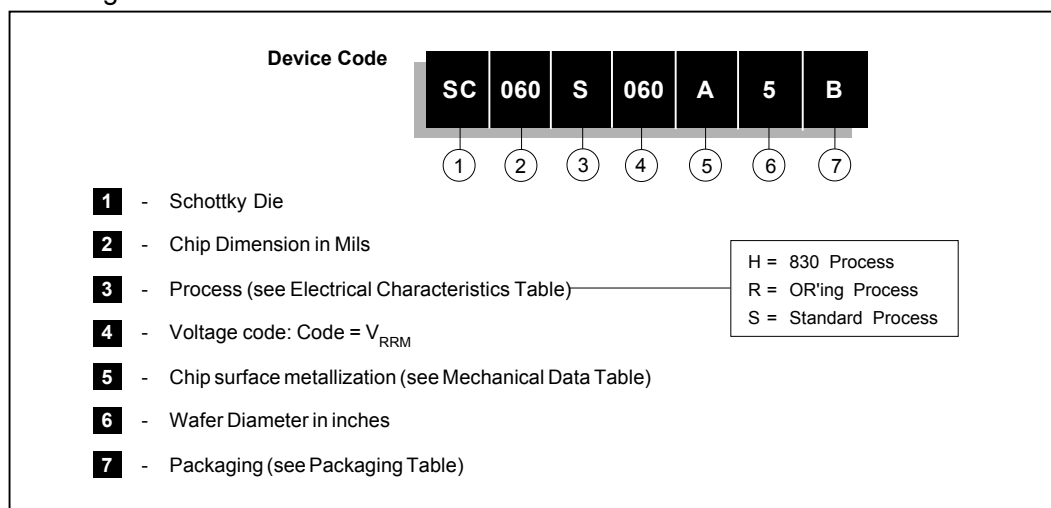
Shelf life for parts stored in above condition is 2 years.

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

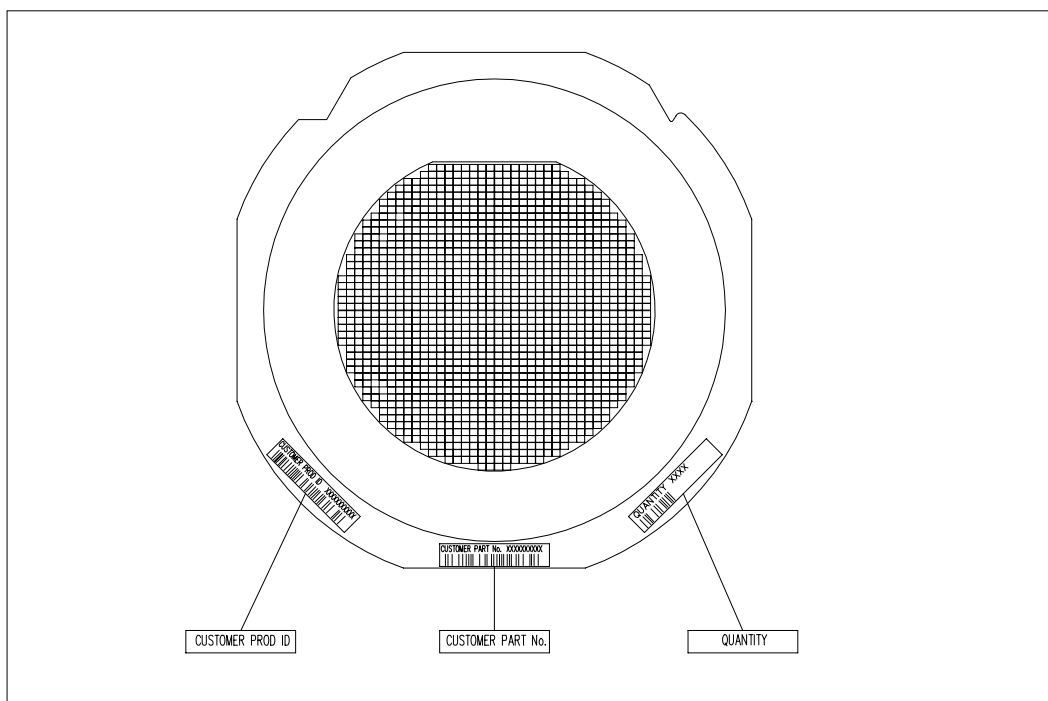
Packaging

Device #	Description	Minimum Order Quantity Die in Sale Package
SC060xxxxx5B	Inked Probed Unsawn Wafer (Wafer in Box)	4600
SC060xxxxx5R	Probed Die in Tape & Reel	n. a.
SC060xxxxx5P	Probed Die in Waffle Pack	n.a.
SC060xxxxx5F	Inked Probed Sawn Wafer on Film	4600

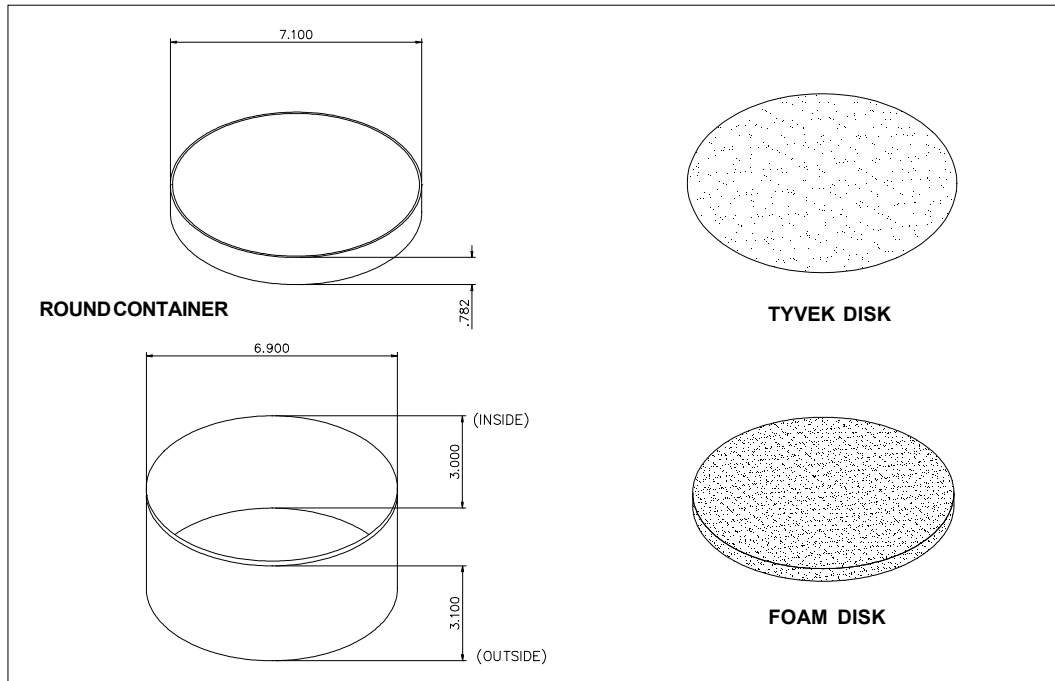
Ordering Information Table



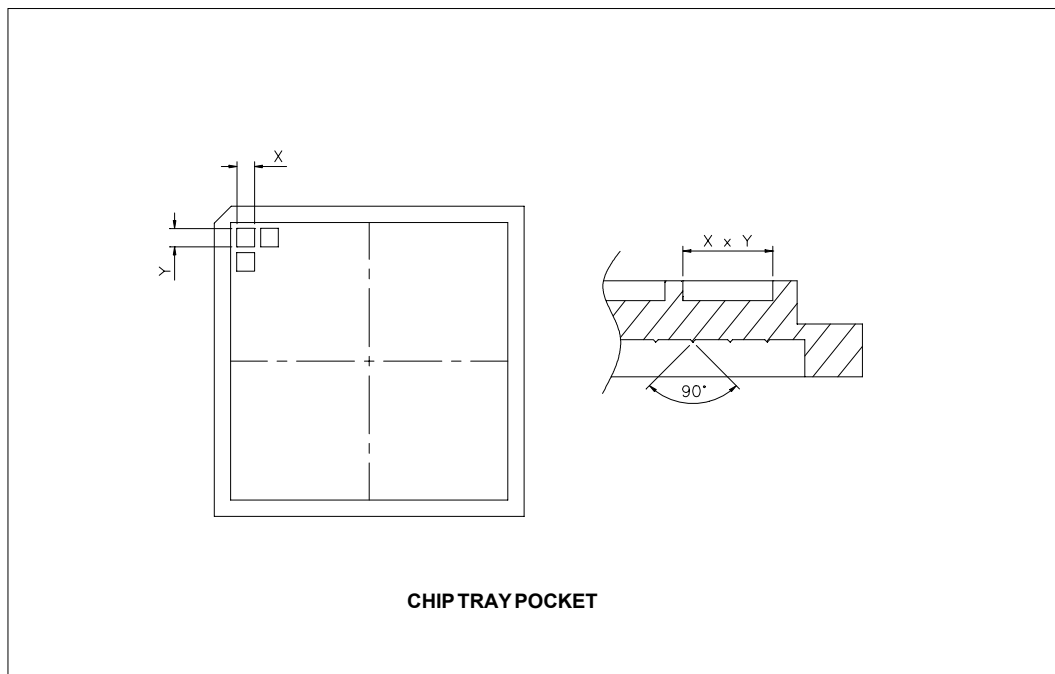
Wafer on Film



Wafer in Box



Die in Waffle Pack



International
IOR Rectifier

WORLD HEADQUARTERS: 233 Kansas St., El Segundo, California 90245 U.S.A. Tel: (310) 322 3331. Fax: (310) 322 3332.
EUROPEAN HEADQUARTERS: Hurst Green, Oxted, Surrey RH8 9BB, U.K. Tel: ++ 44 1883 732020. Fax: ++ 44 1883 733408.
IR CANADA: 15 Lincoln Court, Brampton, Markham, Ontario L6T3Z2. Tel: (905) 453 2200. Fax: (905) 475 8801.
IR GERMANY: Saalburgstrasse 157, 61350 Bad Homburg. Tel: ++ 49 6172 96590. Fax: ++ 49 6172 965933.
IR ITALY: Via Liguria 49, 10071 Borgaro, Torino. Tel: ++ 39 11 4510111. Fax: ++ 39 11 4510220.
IR FAR EAST: K&H Bldg., 2F, 30-4 Nishi-Ikebukuro 3-Chome, Toshima-Ku, Tokyo, Japan 171. Tel: 81 3 3983 0086.
IR SOUTHEAST ASIA: 1 Kim Seng Promenade, Great World City West Tower, 13-11, Singapore 237994. Tel: ++ 65 838 4630.
IR TAIWAN: 16 Fl. Suite D.207, Sec. 2, Tun Haw South Road, Taipei, 10673, Taiwan. Tel: 886 2 2377 9936.

<http://www.irf.com>

Fax-On-Demand: +44 1883 733420

Data and specifications subject to change without notice.