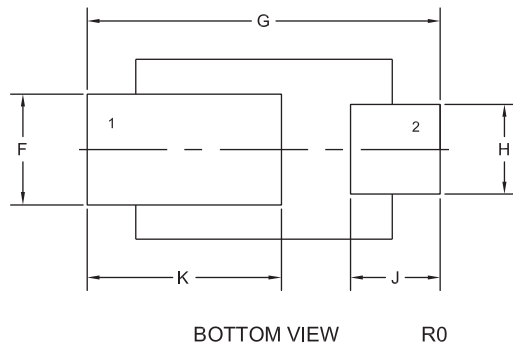
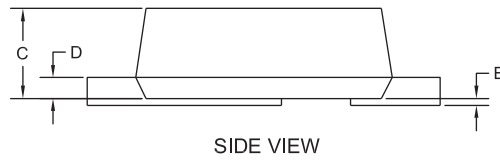
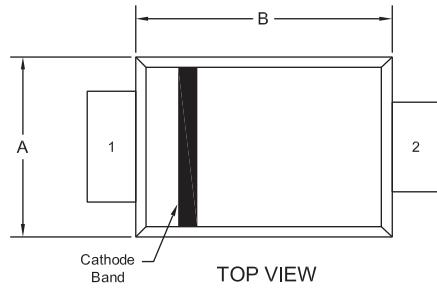


Package Details

SOD-323FL Case



Mechanical Drawing



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.047	0.055	1.20	1.40
B	0.068	0.077	1.75	1.95
C	0.021	0.030	0.55	0.75
D	0.004	0.008	0.10	0.20
E	-	0.004	-	0.10
F	0.025	0.038	0.65	0.95
G	0.090	0.107	2.30	2.70
H	0.017	0.030	0.45	0.75
J	0.015	0.032	0.40	0.80
K	0.045	0.061	1.15	1.55

SOD-323FL (REV:R0)

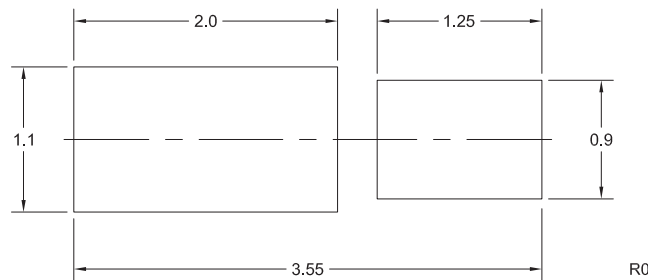
Lead Code:

- 1) Cathode
- 2) Anode

Part Marking:

2-3 Character Alpha/Numeric Code

Mounting Pad Geometry (Dimensions in mm)



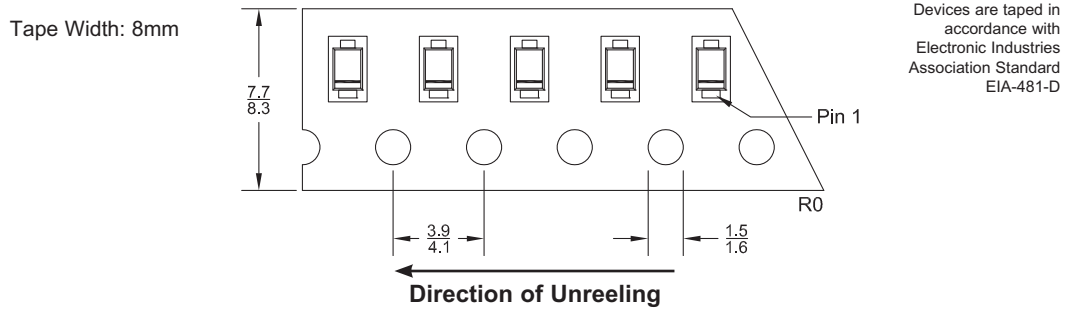
R0 (27-March 2013)

Package Details

SOD-323FL Case



Tape Dimensions and Orientation (Dimensions in mm)



Packaging Base

7" Reel = 3,000 pcs.

Reel Labeling Information

Each reel is labeled with the following information:
 Central Part Number, Customer Part Number, Purchase Order Number,
 Quantity, Lot Number, Date Code, Ship Date and Marking Code.

Reel Packing Information

Reel Size	Reels per Box (Maximum)	Parts per Box (Maximum)	Box Dimensions		Shipping Weight (Max.)	
			INCH	CM	LB	KG
7"	9	27,000	9x9x5	23x23x13	4	2
	18	54,000	9x9x9	23x23x23	6	3
	40	120,000	21x9x9	53x23x23	11	5
	108	324,000	27x9x17	69x23x43	29	14

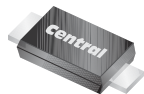
Ordering Information

- For devices taped and reeled on 7" reels, add TR suffix to part number.
- All SMDs are available in small quantities for prototype and manual placement applications.

R0 (27-March 2013)

Material Composition Specification

SOD-323FL Case



Device average mass **5.0 mg**
 Fluctuation margin **+/-10%**

Component	Material	Material		Substance	CAS No.	Substance		
		(%wt)	(mg)			(%wt)	(mg)	(ppm)
active device	doped Si	1.2%	0.06	Si	7440-21-3	1.2%	0.06	12,000
bond wire	copper	0.2%	0.01	Cu	7440-50-8	0.2%	0.01	2,000
leadframe	Cu alloy	48%	2.4	Cu	7440-50-8	47.92%	2.396	479,200
				Fe	7439-89-6	0.08%	0.004	800
encapsulation*	EMC GREEN	50.28%	2.514	silica	60676-86-0	38.8%	1.94	388,000
				epoxy resin	29690-82-2	5.0%	0.25	50,000
				phenol resin	9003-35-4	4.8%	0.24	48,000
				carbon black	1333-86-4	0.16%	0.008	1,600
				metal hydroxide	1309-42-8	1.52%	0.076	15,200
plating	matte tin	0.32%	0.016	Sn	7440-31-5	0.32%	0.016	3,200

*EMC GREEN molding compound is Halogen Free.

Disclaimer

The information provided in this Material Composition data sheet is, to the best of our knowledge, correct. However, there is no guarantee to completeness or accuracy, as some information is derived from data sources outside the company.

R0 (11-January 2012)