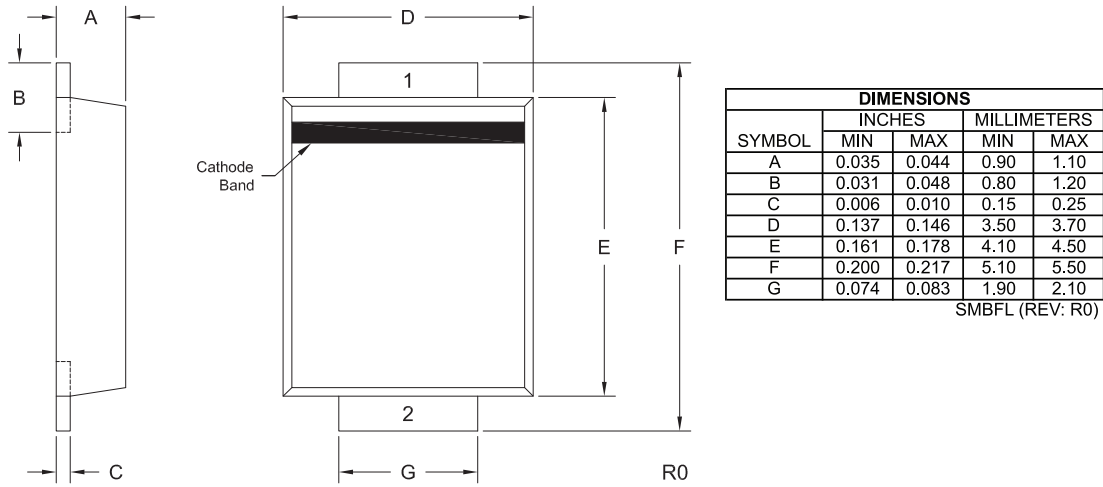


Package Details

SMBFL Case



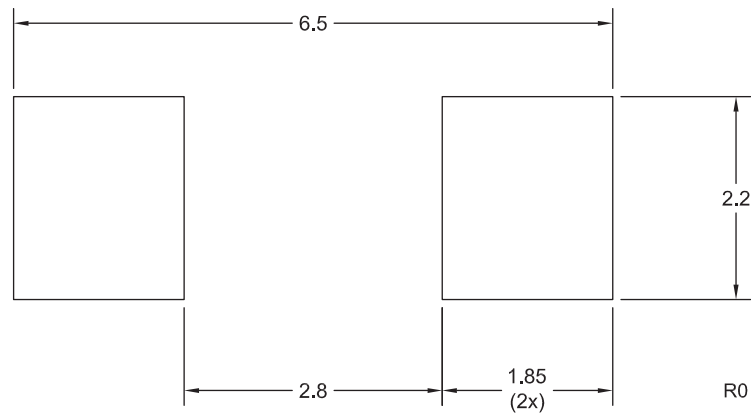
Mechanical Drawing



Lead Code:
Reference individual device datasheet.

Part Marking: 3-7 Character Alpha/Numeric Code

Mounting Pad Geometry (Dimensions in mm)



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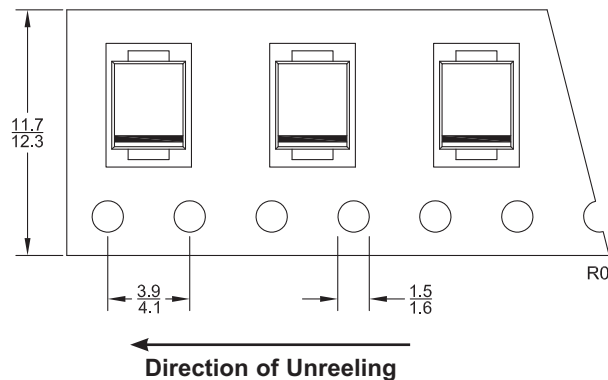
Package Details

SMBFL Case



Tape Dimensions and Orientation (Dimensions in mm)

Tape Width: 12mm



Devices are taped in accordance with Electronic Industries Association Standard EIA-481-D

Packaging Base

13" Reel = 5,000 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 and Ship Date.

Reel Packing Information

Reel Size	Reels per Box (Maximum)	Parts per Box (Maximum)	Box Dimensions		Shipping Weight (Max.)	
			INCH	CM	LB	KG
13"	5	25,000	15x4x15	38x10x38	9	5
	14	70,000	15x15x9	38x38x23	23	11
	26	130,000	15x15x18	38x38x46	42	20

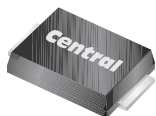
Ordering Information

- For devices taped and reeled on 13" reels, add TR13 suffix to part number.
- All SMDs are available in small quantities for prototype and manual placement applications.

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Material Composition Specification

SMBFL Case



Device average mass 50 mg
 Fluctuation margin +/-10%

Component	Material	Material		Substance	CAS No.	Substance		
		(%wt)	(mg)			(%wt)	(mg)	(ppm)
active device	doped Si	1.54%	0.77	Si	7440-21-3	1.54%	0.77	15,400
leadframe	copper alloy	50.08%	25.038	Cu	7440-50-8	50%	25	500,000
				Fe	7439-89-6	0.08%	0.038	760
die attach	high temperature solder paste	4.95%	2.476	Pb	7439-92-1	4.58%	2.29	45,800
				Sn	7440-31-5	0.25%	0.124	2,480
				Ag	7440-22-4	0.12%	0.062	1,240
encapsulation*	EMC GREEN	42.23%	21.116	silica (fused)	60676-86-0	32.52%	16.26	325,200
				epoxy resin	29690-82-2	4.22%	2.11	42,200
				phenol resin	9003-35-4	4.1%	2.05	41,000
				carbon black	1333-86-4	0.13%	0.063	1,260
				metal hydroxide	1309-42-8	1.27%	0.633	12,660
plating	matte tin	1.2%	0.6	Sn	7440-31-5	1.2%	0.6	12,000

*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.

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