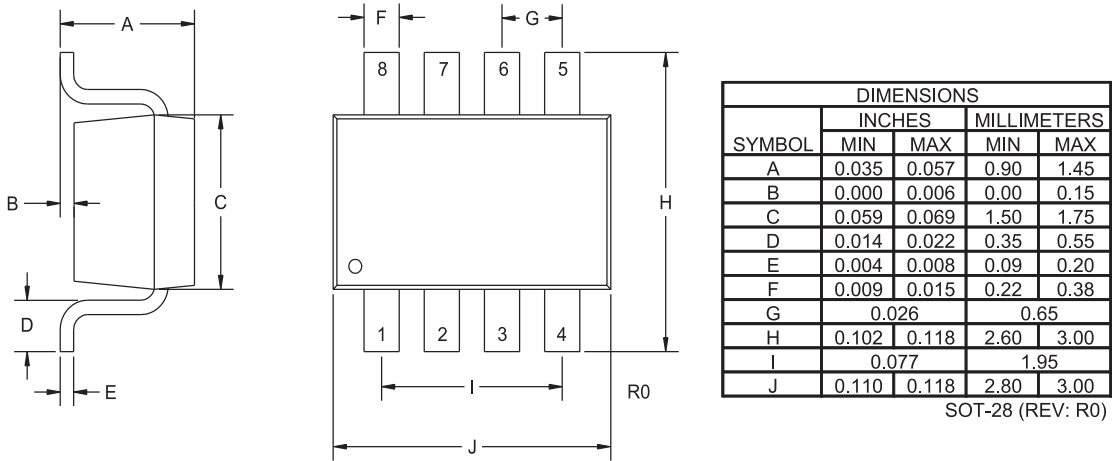


Package Details

SOT-28 Case



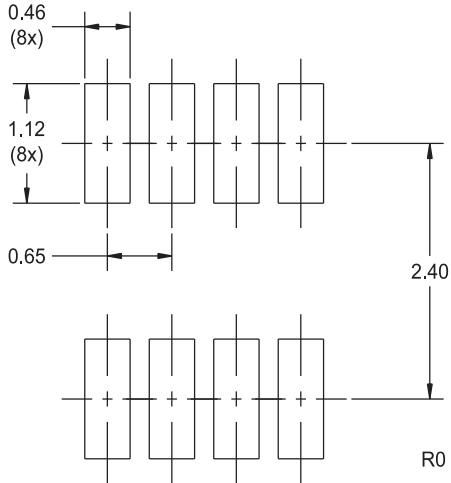
Mechanical Drawing



Lead Code:
Reference individual device datasheet.

Part Marking: 2-4 Character Alpha/Numeric Code

Mounting Pad Geometry (Dimensions in mm)



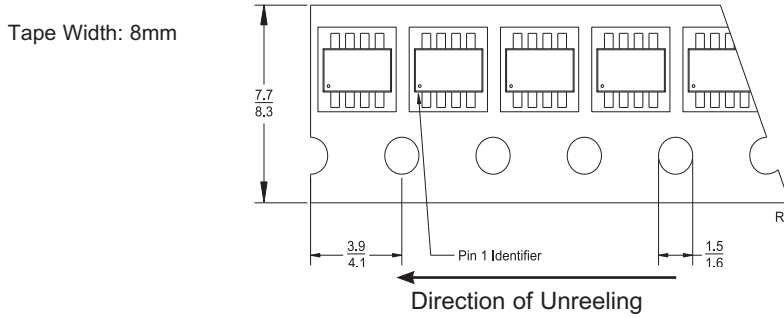
R1 (4-March 2010)

Package Details

SOT-28 Case



Tape Dimensions and Orientation (Dimensions in mm)



Devices are taped in accordance with Electronic Industries Association Standard EIA-481-1-A

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	8	4
	40	120,000	21x9x9	53x23x23	17	8
	108	324,000	27x9x17	69x23x43	45	21

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.

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Material Composition Specification

SOT-28 Case



Device average mass **15.9 mg**
 Fluctuation margin **+/-10%**

Component	Material	Material		Substance	CAS No.	Substance		
		(%wt)	(mg)			(%wt)	(mg)	(ppm)
active device	doped Si	4.4%	0.7	Si	7440-21-3	4.4%	0.7	43,986
bond wire	gold	1.07%	0.17	Au	7440-57-5	1.07%	0.17	10,682
leadframe	Cu alloy w/ silver plating	46.48%	7.4	Cu	7440-50-8	44.87%	7.14	448,662
				Fe	7439-89-6	1.07%	0.17	10,682
				Zn	7440-66-6	0.08%	0.012	754
				Ag	7440-22-4	0.47%	0.075	4,713
die attach	silver epoxy	0.69%	0.11	Ag	7440-22-4	0.55%	0.088	5,530
				epoxy resin	Proprietary	0.14%	0.022	1,382
encapsulation*	EMC GREEN	43.9%	6.99	silica	7631-86-9	36.13%	5.75	361,317
				epoxy resin	29690-82-2	3.2%	0.51	32,047
				phenol resin	9003-35-4	2.26%	0.36	22,622
				carbon black	1333-86-4	0.08%	0.012	754
				metal hydroxide	1309-42-8	2.23%	0.355	22,307
plating	matte tin	3.46%	0.55	Sn	7440-31-5	3.46%	0.55	34,561

*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.

R2 (3-June 2011)