

Package Details

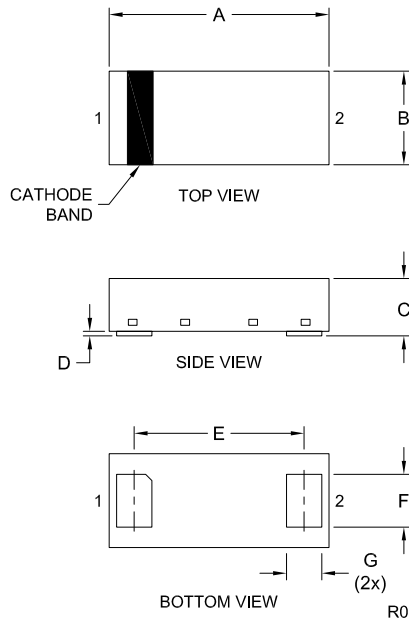
DFN123F Case



Top View Bottom View



Mechanical Drawing

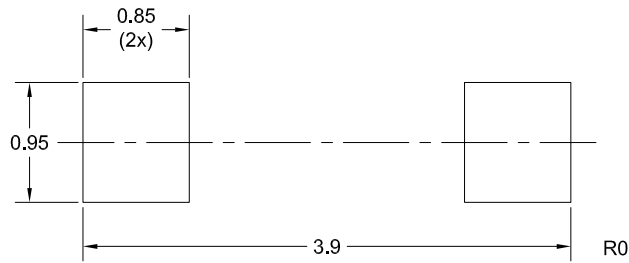


SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.144	0.152	3.65	3.85
B	0.059	0.067	1.50	1.70
C	0.031	0.039	0.80	1.00
D	0.000	0.002	0.00	0.05
E	0.110	0.118	2.80	3.00
F	0.033	0.037	0.85	0.95
G	0.020	0.028	0.50	0.70

DFN123F (REV: R0)

Part Marking: 4-6 Character Alpha/Numeric Code

Mounting Pad Geometry (Dimensions in mm)

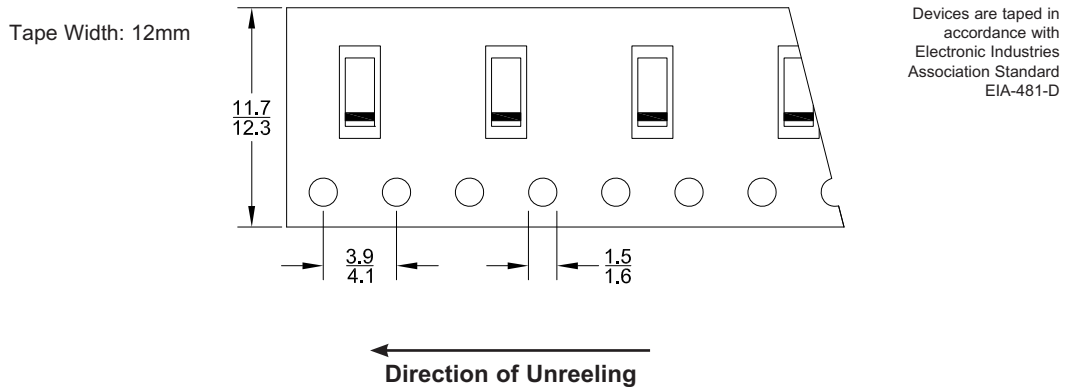


Package Details

DFN123F Case



Tape Dimensions and Orientation (Dimensions in mm)



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	7	4
	14	70,000	15x15x9	38x38x23	17	8
	26	130,000	15x15x18	38x38x46	30	14

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.

R0 (26-July 2019)

Material Composition Specification

DFN123F Case



Top View Bottom View

Device average mass 14.25 mg

Fluctuation margin +/-10%

Component	Material	Material		Substance	CAS No.	Substance		
		(%wt)	(mg)			(%wt)	(mg)	(ppm)
active device	doped Si	2.105%	0.300	Si	7440-21-3	2.11%	0.300	21,053
bond wire	gold	0.154%	0.022	Au	7440-57-5	0.15%	0.022	1,544
leadframe	copper alloy	25.916%	3.693	Cu	7440-50-8	25.71%	3.664	257,123
				Si	7440-21-3	0.18%	0.025	1,754
				Mg	7439-95-4	0.03%	0.004	281
	plating	0.765%	0.109	Ni	7440-02-0	0.73%	0.104	7,298
				Pd	7440-05-3	0.03%	0.004	281
				Au	7440-57-5	0.01%	0.001	70
die attach	silver epoxy	0.519%	0.074	Ag	7440-22-4	0.36%	0.051	3,579
				epoxy resin	Proprietary	0.16%	0.023	1,614
encapsulation	EMC GREEN	70.540%	10.052	silica (fused)	60676-86-0	68.94%	9.824	689,404
				epoxy resin	29690-82-2	0.71%	0.101	7,088
				phenol resin	9003-35-4	0.71%	0.101	7,088
				carbon black	1333-86-4	0.18%	0.025	1,754
				metal hydroxide	1309-42-8	0.01%	0.001	70

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 (29-October 2019)