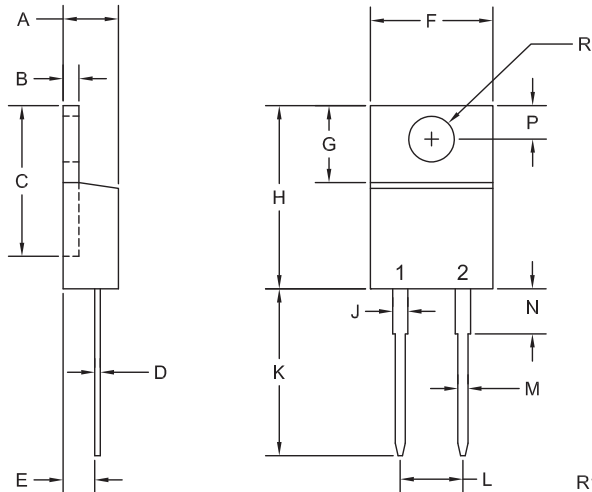


Package Details

TO-220-2 Case



Mechanical Drawing



SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.170	0.190	4.32	4.83
B	0.045	0.055	1.14	1.40
C	0.460	0.507	11.68	12.88
D	0.013	0.024	0.33	0.61
E	0.080	0.115	2.03	2.92
F	0.380	0.420	9.65	10.67
G	0.230	0.270	5.84	6.86
H	0.570	0.615	14.48	15.62
J	0.044	0.070	1.14	1.78
K	0.500	0.580	12.70	14.73
L	0.200		5.08	
M	0.025	0.036	0.64	0.91
N	0.120	0.240	3.05	6.10
P	0.100	0.120	2.54	3.05
R (DIA)	0.143	0.156	3.63	3.96

TO-220-2 (REV: R1)

Lead Code:

- 1. Cathode
- 2. Anode
- Tab is common to Pin 1

Packing Options

Bulk:

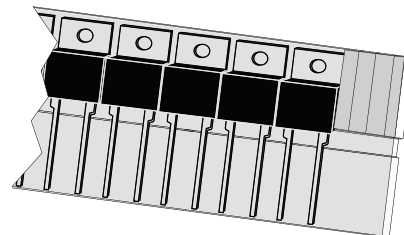
White corrugated box with static shielded bags

Bulk Packing Quantity: 400

Sleeve:

Antistatic coated plastic sleeve (surface resistivity of $>10^9$ and $<10^{13}$ ohms per square)

Sleeve Packing Quantity: 50



TO-220-2 Antistatic Sleeve

R0 (7-May 2013)

Material Composition Specification

TO-220-2 Case



Device average mass 1.95 g
 Fluctuation margin +/-10%

Component	Material	Material		Substance	CAS No.	Substance		
		(%wt)	(mg)			(%wt)	(mg)	(ppm)
active device	doped SiC	0.38%	7.5	SiC	409-21-2	0.38%	7.5	3,846
bond wire	aluminum	0.13%	2.5	Al	7429-90-5	0.13%	2.5	1,282
leadframe	Cu alloy	67.7%	1,320.1	Cu	7440-50-8	67.59%	1,318	675,897
				Fe	7439-89-6	0.01%	0.1	51
				P	7723-14-0	0.1%	2.0	1,026
die attach	high temperature solder	0.3%	5.9	Pb	7439-92-1	0.28%	5.46	2,800
				Sn	7440-31-5	0.01%	0.29	149
				Ag	7440-22-4	0.01%	0.15	77
encapsulation*	EMC GREEN	30.77%	600	silica	7631-86-9	23.08%	450	230,769
				epoxy resin	Proprietary	4.77%	93	47,692
				epoxy polymer	Proprietary	2.31%	45	23,077
				Sb ₂ O ₃	1309-64-4	0.52%	10.2	5,231
				carbon black	1333-86-4	0.09%	1.8	923
plating	matte tin	0.72%	14	Sn	7440-31-5	0.72%	14	7,179

*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 (6-May 2013)