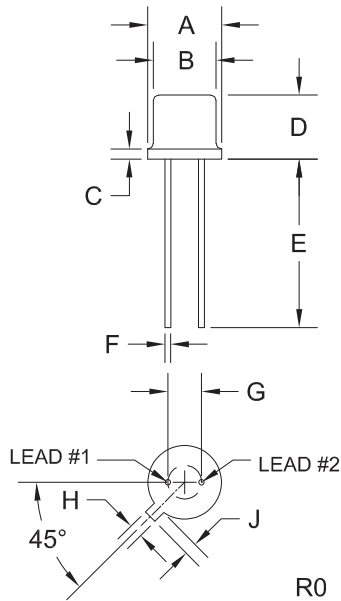


Package Details

TO-18 2-Lead Case



Mechanical Drawing



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A (DIA)	0.209	0.230	5.31	5.84
B (DIA)	0.178	0.195	4.52	4.95
C	-	0.030	-	0.76
D	0.170	0.210	4.32	5.33
E	0.500	-	12.70	-
F (DIA)	0.016	0.019	0.41	0.48
G (DIA)	0.100		2.54	
H	0.036	0.046	0.91	1.17
J	0.028	0.048	0.71	1.22

TO-18 (2 LEAD) (REV: R0)

Lead Code:

1. Anode
2. Cathode

Packing Options

Bulk:

White corrugated box with static shielded bags

Bulk Packing Quantity: 2,000

R0 (13-March 2013)

Material Composition Specification

TO-18 2-Lead Case



Device average mass 287 mg
 Fluctuation margin +/-10%

Component	Material	Material		Substance	CAS No.	Substance		
		(%wt)	(mg)			(%wt)	(mg)	(ppm)
active device	doped Si	0.871%	2.5	Si	7440-21-3	0.871%	2.5	8,711
die attach	silver epoxy	0.101%	0.29	epoxy resin	Proprietary	0.077%	0.22	767
				Ag	7440-22-4	0.024%	0.07	244
bond wire	Al alloy	0.136%	0.39	Al	7429-90-5	0.132%	0.38	1,324
				Si	7440-21-3	0.003%	0.01	35
header	Kovar (Fe/Ni/Co alloy)	55.923%	160.5	Fe	7439-89-6	19.237%	55.21	192,369
				Ni	7440-02-0	12.596%	36.15	125,958
				glass	Proprietary	14.634%	42	146,341
				Co	7440-48-4	8.498%	24.39	84,983
				Mn	7439-96-5	0.236%	0.677	2,359
				P	7723-14-0	0.195%	0.56	1,951
				Si	7440-21-3	0.141%	0.406	1,415
				Ag	7440-22-4	0.251%	0.72	2,509
				C	1333-86-4	0.023%	0.067	233
				Cu	7440-50-8	0.098%	0.28	976
can	alloy	40.07%	115	S	7704-34-9	0.014%	0.04	139
				Fe	7439-89-6	39.951%	114.66	399,512
				C	1333-86-4	0.017%	0.05	174
				Mn	7439-96-5	0.080%	0.23	801
can plating	nickel	1.157%	3.32	Al	7429-90-5	0.021%	0.06	209
				Ni	7440-02-0	1.157%	3.32	11,568
plating	gold	1.742%	5.0	Au	7440-57-5	1.742%	5.0	17,422

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 (8-March 2013)