

CAL-CHIP ELECTRONICS
TC Series D Case

Part Wt (g): .304

Desc: Tantalum capacitor

MSL #1

Part Section	Materials	Weight(g)	%of component	CAS No.	.
Tantalum pellet	Tantalum	.121	39.93	7440-25-7	
Tantalum wire	Tantalum	.0035	1.089	7440-25-7	
Teflon washer	Tetrafluoroethylene-perfluoro	.00042	0.138	26655-00-5	
Manganese layer	Mn-(N-O3)2	.019	6.27	10377-66-9	
Carbon layer	Graphite	.0036	1.188	7782-42-5	
	Water	.01368	4.515	7732-18-5	
	Ammonium Hydroxide	.00072	0.238	1336-21-6	
Silver paste layer	1-Methoxy-2-Propanol Acetate	.00225	0.743	108-65-6	
	Glycol Ether solvent	.00225	0.743	proprietary	
	Tert-Butyl Acetate	.003	0.990	540-88-5	
	Silver	.00675	2.2281	7440-22-4	
	N-Amyl Acetate	.00075	0.248	628-63-7	
Termination Lead frame	Ni	.00943	3.112	7440-02-0	
	Fe	.0124	4.092	7439-86-6	
	Sn	.00079	0.261	7440-31-5	
Silver Adhesion	Epoxy Resin	.000245	0.0627	9003-36-5	
	Silver	.001505	0.5330	7440-2-4	
Mold Epoxy Resin	Antimony Oxide	.000102 .00306	1.009	139-64-4	
	Epoxy resin	.00306 .0204	4.030	Proprietary	
	Phenolic Resin	.00204 .0153	3.700	Proprietary	
	Carbon black	.000102 .00051	0.168	33-86-4	
	Amorphous Silica	.0714-.0918	23.56	60676-86-0	
Marking Ink	Blocked Hexamethylene Diisocyanate	.00015	0.05	153519-43-8	

