

MATERIAL DECLARATION



PRODUCT IDENTIFICATION

- PRODUCT NAME	SMD Power Inductor
- SERIES	CS
- WEIGHT	3.02G
- MANUFACTURE NAME	Cal-Chip Electronics Inc.
- ADDRESS	59 Steamwhistle Drive, Ivyland, PA 18974



GENERAL COMPOSITION

COMPOSITION OF PARTS		COMPOSITION OF MATERIALS				TYPICAL WEIGHT			P/N
BREAKDOWN OF PART	MATERIAL NAME	SAMPLE DESCRIPTION	CHEMICAL SYMBOL	CAS NO.	%	WEIGHT (MG)	SUBSTANCE MASS (MG)	PERCENTAGE (%)	SUBSTANCE PERCENTAGE
Core	Ferrite Core	R4N	Fe ₂ O ₃	1309-37-1	69	1680	1075.2	55.63	35.603
			ZnO	1314-13-2	14		336		11.126
			MnO	1313-13-9	17		168		5.563
Metal Trap	SMD Plating Tin Copper Base	Cu+Sn	Cu	7440-50-8	76	310	235.6	10.26	7.801
			Sn	7440-31-5	20		62		2.053
			Ni	7440-02-0	4		12.4		0.411
Wire	Magnet Wire	P180	Cu	7440-50-8	90.60-96.69	980	931	32.45	30.828
			(NHCOO) _n	68400-69-9	3.31-9.40		49		1.623
Epoxy	Epoxy Resin	WK-4005	Bispenol A Type Epoxy Resin	25068-38-6	46	9	4.140	0.30	0.137
			N-Butoxy Glycidyl Ether	2426-08-6	4		0.360		0.012
			3-(3, 4 Dichlorophenyl) -1, 1-Dimethyl-Urea	330-54-1	5		0.450		0.015
			Aluminum Hydroxide	21645-51-2	45		4.050		0.134
Solder	Nickel	Lead-Free Solder	Sn	7440-31-5	99.85	40	39.940	1.32	1.323
			Cu	7758-99-8	0.15		0.060		0.002
Marking	INK	1300 Series	Epoxy Resin	-	21~32	1	0.320	0.03	0.011
			Urea Formaldehyde Resin	-	16~24		0.240		0.008
			Ehylene Glycol Monobutyl Ether	111-76-2	11~17		0.170		0.006
			Xylene	1330-20-7	4~6		0.060		0.002
			ISO Butanol	78-83-1	6~10		0.100		0.003
			Other	-	7~11		0.110		0.004
TOTAL									3.02G