

■ PRODUCTION IDENTIFICATION

- **PRODUCT NAME:** Complete PbO-Free Thick Film Chip Resistor - RL02
 - **MANUFACTURE NAME:** Cal-Chip Electronics, Inc
 - **ADDRESS:** 59 Steamwhistle Drive Ivyland, PA 18974
 - **RESPONSIBLE PERSON NAME:** Frank Salamone
 - **TELEPHONE:** 215.942.8900

■ GENERAL COMPOSITION

PART NAME	SUBSTANCE	SUBSTANCE PERCENT (%)	CAS NO.
		RL02/0.18393	
Alumina Substrate	Al ₂ O ₃	72.873	1344-28-1
	SiO ₂	1.349	14808-60-7
	MgO	0.600	1309-48-4
	CaO	0.150	1305-78-8
Protective Coating (G1)	Bi ₂ O ₃	0.617	1304-76-3
	SiO ₂	0.308	14808-60-7
	Cr ₂ O ₃	0.046	1308-38-9
Protective Coating (G2)	Epoxy Resin	0.467	25068-38-6
	Silica	0.560	60676-86-0
	Talcum	0.186	14807-96-6
Resistive Element	Phosphate Ester	0.061	68511-37-5
	Terpineol	0.340	8000-41-7
	Bisphenol A-Epichlorohydrin Resin	0.061	25068-38-6
	RuO ₂	0.340	12036-10-1
	Glass	0.413	65997-18-4
Termination (inner) C1	Ag	1.3146	7440-22-4
	Pd	0.0201	7440-05-3
	Glass	0.1011	65997-18-4
Termination (inner) C2	Ag	0.8449	7440-22-4
	Glass	0.1261	65997-18-4
Termination (inner) C3	Ni	0.0152	7440-02-0
	Cr	0.0038	7440-47-3
Termination (between) Ni Plating	Ni	9.6776	7440-02-0
Termination (outer) Sn Plating	Sn	9.5256	7440-31-5
M/K	Epoxy Resin	/	25068-38-6
	TiO ₂	/	13463-67-7
	BaSo ₄	/	7727-43-7
TOTAL		100	