



# Material Declaration Sheet

Vishay Inter-technology

Date	8/22/2022
------	-----------

## Part / Product Family Details

Part / Family Series	RoHS Compliance Status	RoHS-Compliant Replacement Part	Total product Weight (mg)	Value Range	MDS Provided For	Manufacturing Location	
CRCW0805 Pb containing (10R to less than 10M)	NO		4.2950038	10R to less than 10M	Resistor	Vishay BCComponents Bevschlag	0

## Material Composition

Homogenous Material Name	Material Classification	Substance Name	CAS number	Weight of Substance (mg)	With respect to Homogenous Material		% with respect to Total Product Weight	RoHS Exemptions Used
					%	ppm		
Ceramic substrate	Ceramics / glass			3.78819				
		Aluminium oxide	1344-28-1	3.62302	95.64	956399	84.35	0 - None
		Magnesium oxide	1309-48-4	0.03750	0.99	9899	0.87	0 - None
		Silicon dioxide	7631-86-9	0.11024	2.91	29101	2.57	0 - None
		Miscellaneous	System	0.01743	0.46	4601	0.41	0 - None
EP-QD-80	Other duromers			0.06443				
		Epoxy resin	25068-38-6	0.01050	16.30	162968	0.24	0 - None
		Silicon dioxide	7631-86-9	0.05393	83.70	837032	1.26	0 - None
Glass electrical contact	Ceramics / glass			0.00647				
		Lead silicate [Glass]	10099-76-0	0.00646	99.90	999000	0.15	0 - None
		Miscellaneous	System	0.00001	0.10	1000	0.00	0 - None
Glass enamel	Ceramics / glass			0.02577				
		Chromium oxide (III)	1308-38-9	0.00054	2.10	20955	0.01	0 - None
		Lead silicate [Glass]	10099-76-0	0.02523	97.90	979045	0.59	0 - None
Glass layer	Ceramics / glass			0.01288				
		Lead silicate [Glass]	10099-76-0	0.00644	50.00	500000	0.15	0 - None
		Palladium	7440-05-3	0.00215	16.69	166925	0.05	0 - None
		Ruthenium oxide	12036-10-1	0.00429	33.31	333075	0.10	0 - None
Nickel Plating	Nickel alloys			0.08395				
		Nickel	7440-02-0	0.08387	99.90	999000	1.95	0 - None
		Miscellaneous	System	0.00008	0.10	1000	0.00	0 - None
Silver electrical contact alloy	Other special metals			0.17997				
		Chromium	7440-47-3	0.00000	0.00	7	0.00	0 - None
		Copper	7440-50-8	0.00000	0.00	12	0.00	0 - None
		Lead	7439-92-1	0.03119	17.33	173303	0.73	0 - None
		Silver	7440-22-4	0.14878	82.67	826678	3.46	0 - None
Silver layer	Other special metals			0.00859				
		Silver	7440-22-4	0.00858	99.90	999000	0.20	0 - None
		Miscellaneous	System	0.00001	0.10	1000	0.00	0 - None
Sn99.9	Other special metals			0.12475				
		Tin	7440-31-5	0.12463	99.90	999000	2.90	0 - None
		Miscellaneous	System	0.00012	0.10	1000	0.00	0 - None

**EU-RoHS Directive-2011/65/EU** MCV of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) and MCV of 0.01% by mass cadmium

NONE

**Note :-** (i) All information is based on data received from our vendors & subjected to change without prior notice.  
(ii) Substance weight are derived from MSDS.