



# Material Declaration Sheet

Vishay Inter-technology

Date 10/3/2022

## Part / Product Family Details

Part / Family Series	RoHS Compliance Status	RoHS Compliance Date Code dd-mmm-yyyy	Total product Weight (mg)	Value Range	3rd Party Lab ICP Test Report Available	Manufacturing Location	Number of Exemptions Used
CCF55/07 RoHS series	YES	01-Jun-2005	205.01	Generic	Yes	-	0

## Technical Information

Terminal Plating / Grid Array Material	Terminal Base Alloy	JESD-97 Pb-Free Material Code Marking	J-STD-20D MSL Rating	Reflow Peak Process Body Temperature	Reflow Maximum number of cycles	Reflow Max.Time at Peak Temperature (sec)	Soldering Compatibility (SnPb/Pb-Free)
Matte Tin (Sn)	CU Alloy	e3	Not Applicable	260 ° C	3	40	Backward & Forward

## 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		
Caps	Other Special Metals			31.00900				
		Aluminium [metal]	7429-90-5	0.09000	0.29	2902	0.04	0 - None
		Carbon	7440-44-0	0.00900	0.03	290	0.00	0 - None
		Iron	7439-89-6	30.70000	99.00	990035	14.97	0 - None
		Manganese	7439-96-5	0.10000	0.32	3225	0.05	0 - None
		Sulfur	7704-34-9	0.10000	0.32	3225	0.05	0 - None
		Tin	7440-31-5	0.01000	0.03	322	0.00	0 - None
Ceramics	Ceramics / glass			38.00000				
		Aluminiumoxide	1344-28-1	30.11000	79.24	792368	14.69	0 - None
		Bariumoxide	1304-28-5	1.01000	2.66	26579	0.49	0 - None
		Magnesiumoxide	1309-48-4	1.05000	2.76	27632	0.51	0 - None
		Silicondioxide	7631-86-9	5.31000	13.97	139737	2.59	0 - None
		Miscellaneous	System	0.52000	1.37	13684	0.25	0 - None
Lacquers	Lacquers			5.00000				
		Epoxy resin	25068-38-6	1.40000	28.00	280000	0.68	0 - None
		Pigment portion, not to declare	1309-37-1	0.10000	2.00	20000	0.05	0 - None
		Quartz Filler	14808-60-7	3.00000	60.00	600000	1.46	0 - None
		Urea-Formaldehyde Resin	9011-05-6	0.50000	10.00	100000	0.24	0 - None
Resistive layer	Electronics (e.g. pc boards, displays)			0.00100				
		Al, Cr, Ni, Si	System	0.00100	100.00	1000000	0.00	0 - None
Terminal wires	Electronics (e.g. pc boards, displays)			131.00000				
		Copper	7440-50-8	127.08000	97.01	970076	61.99	0 - None
		Tin	7440-31-5	3.92000	2.99	29924	1.91	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

Exemption Used 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.

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