



Material Declaration Sheet

VISHAY MLCC Sub-Division

Date 23-04-2015

Part / Product Family Details

Vishay Part Number	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
VJ0805Y...W1BC	YES	1-Feb-2004	11.27	-	Yes	China	None

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 Sn w/ Nickel underplate	Other	e3	1	260 °C	2	10	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		
Dielectric	Ceramic	Barium Titanium Trioxide	12047-27-7	10.21062	100.00	1000000	90.60	0 - None
				0.33810				
Electrode	Conductive paste	Barium Titanium Trioxide	12047-27-7	0.06762	20.00	200000	0.60	0 - None
		Nickel	7440-02-0	0.27048	80.00	800000	2.40	0 - None
Ni Plating	Ni Plating			0.02254				
		Nickel	7440-02-0	0.02254	100.00	1000000	0.20	0 - None
Sn Plating	Sn Plating			0.02254				
		Tin	7440-31-5	0.02254	100.00	1000000	0.20	0 - None
Termination	Conductive paste			0.67620				
		Frits, Chemicals	65997-17-3	0.08114	12.00	120000	0.72	0 - None
		Copper	7440-50-8	0.59506	88.00	880000	5.28	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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