



Material Declaration Sheet

Vishay General Semiconductor - VGSC

Date: 20/Aug/21

Part / Product Family Details

Vishay Part Number	RoHS Compliance Status	RoHS Compliance Date Code dd-mm-yyyy	Total product Weight (gm)	Resistance value	3rd Party Lab ICP Test Report Available	Manufacturing Location	Number of Exemption used
VB20150C-E3/8W VB20200C-E3/8W VB30200C-E3/8W VB40100C-E3/8W VB40120C-E3/8W VB40150C-E3/8W VB60170G-E3/8W VB60120C-E3/8W VB60170C-E3 VB30202C-E3 VBT10200C-E3 VBT1060C-E3 VBT2080C-E3 VBT3045BP-E3	YES WITH EXEMPTION	01-12-2004	1.39	N/A	Yes	China	One

Material Composition

Homogenous Material Name	Material Classification	Substance Name	CAS number	Weight of Substance (gm)	With respect to Homogenous Material		% with respect to Total Product Weight	RoHS Exemptions Used
					%	ppm		
Chip	Electronics (e.g. pc boards, displays)	Silicon and others (business secret)	-	0.01125	100.00	1000000	0.81	
Piece Parts	Aluminium and aluminium alloys	Aluminium(AI)	7429-90-5	0.01026	100.00	1000000	0.74	
Lead Frame	Copper (e.g. copper amounts in cable harnesses)	Copper	7440-50-8	0.76465	100.00	1000000	55.01	
Solder 92.5	Other special metals	Lead	7439-92-1	0.01378	92.50	925000	0.99	Exemption No:7(a)
		Tin	7440-31-5	0.00074	5.00	50000	0.05	
		Silver	7440-22-4	0.00037	2.50	25000	0.03	
Encapsulation	Other duromers	Silica	60676-86-0	0.45538	80.00	800000	32.76	
		Epoxy resin	29690-82-2	0.06261	11.00	110000	4.50	
		Phenolic resin	9003-35-4	0.04838	8.50	85000	3.48	
		Carbon black	1333-86-4	0.00285	0.50	5000	0.20	
Surface finish	Other special metals	Tin	7440-31-5	0.01973	100.00	1000000	1.42	

EU-RoHS Directive- 2015/863/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 ,Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Exemption Used 7(a) - Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead)

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.

Build Vishay
into your Design

Vishay General Semiconductor - VGSC
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