

## Material Declaration Sheet

Vishay General Semiconductor - PDD

Date 28/Jul/20

Vishay Part Number	RoHS Compliance Status	RoHS Compliance Date Code dd <del>-mm-</del> yyyy	Total product Weight (gm)	Resistance value	3rd Party Lab ICP Test Report Available	Manufacturing Location	Number of Exemptions Used
BYQ28E-xxx-(H)E3 BYT28-xxx- (H)E3 BYY32-xxx-(H)E3 FEP6AT-(H)E3 to FEP0FT-(H)E3 FEP16AT-(H)E3 to FEP16JT-(H)E3 G12401-(H)E3 to G12404-(H)E3 UG8HCT-(H)E3 to UG8JCT-(H)E3 UG10FCT-(H)E3 to UG10FCT-(H)E3 UG10FCT-(H)E3 to UG10FCT-(H)E3 UG18ACT-(H)E3 to UG18BCT-(H)E3	YES WITH EXEMPTION	01-12-2004	1.85	N/A	Yes	China	Two

Terminal Plating / Grid
Array Material
Terminal Base Alloy
JESD-97 Pb-Free Material Code
Marking
Marking
JESD-97 Pb-Free Material Code
Marking

aterial Composition With respect to % with respect to CAS number Homogenous Material RoHS Exemptions Used Homogenous Material Name Material Classification Substance Name Weight of Substance Total Product Weight (gm) Electronics (e.g. pc boards, displays) Silicon and others (business secret) 0,00250 100.00 1000000 Exemption No:7(c)-I Lead Frame Copper (e.g. copper amounts in cable harnesses Copper 7440-50-8 1. 18935 100.00 1000000 64.29 99.85 Bridge Frame 7440-50-8 0.04009 Nickel 7440-02-0 0.00006 0.15 1499 0.00 Solder 95 Other special metals 7439-92-1 0.01308 95.00 0.71 Exemption No:7(a) ead 7440-31-5 0.00069 5.00 50000 0.04 Quartz (SiO2) Encapsulation Other duromers 14808-60-7 0.40793 70, 00 700000 Epichlorohydrin, o-cresol, formalde polyme 29690-82-2 Phenol-formaldehyde resin 9003-35-4 0.06993 12.00 120000 3.78 Antimony oxide (Sb2-03 1.00 10000 Carbon-Black 1333-86-4 0.00146 0.25 2500 0.08 Additive & know-how 0.00309 0.75 7500 0.24 7440-31-5 Surface finish Other enecial metals 0.02147 100.00 1 16 Marking Electronics (e.g. pc boards, displays) Synthetic resin 53192-18-0 0.00005 65.00 650000 0.00 Starting agent 0.00001 10.00 0.00 7429-90-5 0.00001 15.00 0.00

947-19-3

0,00000

5,00

50000

EU-RoHS Directive— MCV of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated 2015/863/EU 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)

This MDS valid for

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

2nd Exemption Used 7(c)-I - Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound

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.

Additive

Silicon dioxid



