VISHAY.		Material I	Jeclarat: eral Semiconduc					
art / Product Family Det							Date	16/Sep/15
Vishay Part Number	RoHS Compliance Status	RoHS Compliance Date Code dd-mm-yyyy	Total product Weight (gm)	Resistance value		Lab ICP Test Available	Manufacturing Location	Number of Exemptions Used
$\begin{array}{l} {\rm P6SMBnn}\left(A \right) - ({\rm H}) E3 \\ {\rm P6SMBnn}\left(A \right) {\rm HE3}{\rm ,A} \\ {\rm SM6TnnA} - ({\rm H}) E3 \\ {\rm SM6TnA} - ({\rm H}) E3 \\ {\rm SM6Ta} \left(A \right) - ({\rm H}) E3 \\ {\rm SM6Ta} \left(A \right) - ({\rm H}) E3 \\ {\rm SM6Ta} \left(A \right) - ({\rm H}) E3 \\ {\rm SM6TnA} - ({\rm H}) E3 \\ {\rm SM6TnCA} - ({\rm H}) E3 \\ {\rm SM6TnCA} - ({\rm H}) E3 \\ {\rm SM6TnCA} - ({\rm H}) E3 \\ {\rm SM6Ta} \left(A \right) - ({\rm H}) E3 \\ {\rm H} \left(A \right) - ({\rm H}) E3 \\ {\rm H} \left(A \right) - ({\rm H}) E3 \\ {\rm H} \left(A \right) - ({\rm H}) E3 \\ {\rm H} \left(A \right) - ({\rm H}) E3 \\ {\rm H} \left(A \right) - ({\rm H}) E3 \\ {\rm H} \left(A \right) - ({\rm H}) E3 \\ {\rm H} \left(A \right) - ({\rm H}) E3 \\ {\rm H} \left(A \right) - ({\rm H}) E3 \\ {\rm H} \left(A \right) - ({\rm H}) E3 \\ {\rm H} \left(A \right) - ({\rm H}) E3 \\ {\rm H} \left(A \right) - ({\rm H}) E3 \\ {\rm H} \left(A \right) - ({\rm H}) E3 \\ {\rm H} \left($	YES WITH EXEMPTION	01-12-2004	0. 093	N/A	Yes		China	Тио
echnical Information: refe	to <u>http://www.vishay.com/how/leadfree/#summary</u>				1			
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)
aterial Composition	•	· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · ·	
Homogenous Material Name	Material Classification	Substance Name	CAS number	Weight of Substance (gm)	With respect to Homogenous Material % ppm		% with respect to Total Product Weight	RoHS Exemptions Used
hip ead Frame older 92.5 ncapsulation	Electronics (e.g. pc boards, displays) Copper (e.g. copper amounts in cable harnesses) Other special metals Other duromers	Lead Tin Silver Quartz (SiO2) Epichlorohydrin,o-cresol,formalde polymer Phenol-formaldehyde resin Antimony oxide (Sb2-O3)	- 7440-50-8 7439-92-1 7440-31-5 7440-31-5 7440-22-4 14808-60-7 29690-82-2 9003-35-4 1309-64-4 1309-64-4	0.00260 0.03640 0.00315 0.00017 0.00008 0.03395 0.00776 0.00582 0.00049	100.00 100.00 92.50 5.00 2.50 70.00 16.00 12.00 1.00 2.50	1000000 1000000 925000 25000 700000 160000 120000 10000	2.80 39.14 3.38 0.18 0.09 36.51 8.35 6.26 0.52	Exemption No:7(c)-I Exemption No:7(a)
urface finish	Other special metals	Carbon-Black Additive & know-how Tin	1333-86-4 - 7440-31-5	0.00012 0.00036 0.00210	0.25 0.75 100.00	2500 7500 1000000	0.13 0.39 2.26	
2011/65/EU This MDS vaild for List of PN's Exemption Used	MCV of 0.1% by mass (1000 PPM) in homogeneo Diphenyl Ethers (PBDE) and MCV of 0.01% by 7(a) - Lead in high melting temperature type so 7(c)-I - Electrical and electronic components c	mass cadmium lders (i.e. lead- based alloys containing 8	35 % by weight or mo	re lead)			a glass or ceramic matr	ix compound
	 (i) All information is based on data received f (ii) Substance weight are derived from MSDS. 	rom our vendors & subjected to change with	out prior notice.					
Build Vishay into your Desig		Vishay Gener 233, Pao Chiao Rd., Hsin	al Semiconductor - PD	D			One of the V	Vorld's Largest Manufacturers of