



Material Content Data Sheet



Sales Product Name				IDL12G65C5		Issued		20. July 2018	
MA#				MA001079962					
Package				PG-VSON-4-1		Weight*		184.37 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	noble metal	gold	7440-57-5	0.065	0.04		353		
	non noble metal	tin	7440-31-5	0.017	0.01		91		
	inorganic material	silicon	7440-21-3	0.692	0.38	0.43	3752	4196	
leadframe	inorganic material	phosphorus	7723-14-0	0.013	0.01		69		
	non noble metal	zinc	7440-66-6	0.051	0.03		276		
	non noble metal	iron	7439-89-6	1.017	0.55		5517		
	non noble metal	copper	7440-50-8	41.300	22.40	22.99	224012	229874	
wire	non noble metal	copper	7440-50-8	0.516	0.28	0.28	2797	2797	
encapsulation	organic material	carbon black	1333-86-4	0.226	0.12		1226		
	plastics	epoxy resin	-	11.638	6.31		63124		
	inorganic material	silicondioxide	60676-86-0	101.126	54.84	61.27	548505	612855	
leadfinish	non noble metal	tin	7440-31-5	2.397	1.30	1.30	13004	13004	
plating	noble metal	silver	7440-22-4	0.252	0.14	0.14	1367	1367	
heatspreader	inorganic material	phosphorus	7723-14-0	0.008	0.00		41		
	non noble metal	zinc	7440-66-6	0.030	0.02		163		
	non noble metal	iron	7439-89-6	0.601	0.33		3262		
	non noble metal	copper	7440-50-8	24.418	13.24	13.59	132441	135907	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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