



Material Content Data Sheet



Sales Product Name		IDK05G65C5		Issued		10. August 2018			
MA#		MA001675328							
Package		PG-TO263-2-1		Weight*		1497.37 mg			
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	non noble metal	tin	7440-31-5	0.008	0.00		5		
	noble metal	gold	7440-57-5	0.031	0.00		20		
	inorganic material	silicon	7440-21-3	0.325	0.02	0.02	217	242	
leadframe	inorganic material	phosphorus	7723-14-0	0.225	0.02		150		
	non noble metal	iron	7439-89-6	0.751	0.05		502		
	non noble metal	copper	7440-50-8	749.949	50.08	50.15	500845	501497	
wire	non noble metal	aluminium	7429-90-5	0.446	0.03	0.03	298	298	
	encapsulation	organic material	carbon black	1333-86-4	1.179	0.08		787	
		plastics	epoxy resin	-	54.231	3.62		36218	
	inorganic material	silicondioxide	60676-86-0	534.059	35.67	39.37	356665	393670	
leadfinish	non noble metal	tin	7440-31-5	11.700	0.78	0.78	7814	7814	
plating	inorganic material	phosphorus	7723-14-0	0.007	0.00		4		
	non noble metal	nickel	7440-02-0	2.778	0.19	0.19	1855	1859	
heatspreader	inorganic material	phosphorus	7723-14-0	0.043	0.00		28		
	non noble metal	iron	7439-89-6	0.142	0.01		95		
	non noble metal	copper	7440-50-8	141.498	9.45	9.46	94497	94620	
*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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