



Material Content Data Sheet



Sales Product Name		IDK12G65C5		Issued		19. July 2018		
MA#		MA000989350						
Package		PG-TO263-2-1		Weight*		1465.96 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	siliconcarbide	409-21-2	0.859	0.06		586	
	noble metal	gold	7440-57-5	0.065	0.00		44	
	non noble metal	tin	7440-31-5	0.017	0.00	0.06	11	641
leadframe	non noble metal	iron	7439-89-6	0.751	0.05		512	
	inorganic material	phosphorus	7723-14-0	0.225	0.02		154	
	non noble metal	copper	7440-50-8	749.949	51.16	51.23	511577	512243
wire	non noble metal	aluminium	7429-90-5	0.850	0.06	0.06	580	580
encapsulation	organic material	carbon black	1333-86-4	8.356	0.57		5700	
	plastics	epoxy resin	-	91.917	6.27		62701	
	inorganic material	silicondioxide	60676-86-0	456.800	31.16	38.00	311606	380007
leadfinish	non noble metal	tin	7440-31-5	11.700	0.80	0.80	7981	7981
plating	inorganic material	phosphorus	7723-14-0	0.007	0.00		5	
	non noble metal	nickel	7440-02-0	2.778	0.19	0.19	1895	1900
heatspreader	non noble metal	iron	7439-89-6	0.142	0.01		97	
	inorganic material	phosphorus	7723-14-0	0.043	0.00		29	
	non noble metal	copper	7440-50-8	141.498	9.65	9.66	96522	96648
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com