



Material Content Data Sheet



Sales Product Name		IDM08G120C5		Issued		19. January 2018			
MA#		MA001349738							
Package		PG-TO252-2-1		Weight*		321.42 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	0.067	0.02		209		
	non noble metal	tin	7440-31-5	0.017	0.01		54		
	inorganic material	silicon	7440-21-3	0.743	0.23	0.26	2313	2576	
leadframe	non noble metal	iron	7439-89-6	0.152	0.05		472		
	inorganic material	phosphorus	7723-14-0	0.046	0.01		142		
	non noble metal	copper	7440-50-8	151.510	47.14	47.20	471378	471992	
wire	non noble metal	aluminium	7429-90-5	0.431	0.13	0.13	1342	1342	
	encapsulation	organic material	carbon black	1333-86-4	1.433	0.45		4460	
		plastics	epoxy resin	-	25.086	7.80		78048	
	inorganic material	silicondioxide	60676-86-0	116.829	36.35	44.60	363479	445987	
leadfinish	non noble metal	tin	7440-31-5	3.552	1.11	1.11	11052	11052	
plating	non noble metal	nickel	7440-02-0	0.107	0.03		332		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.03	1	333	
heatspreader	non noble metal	iron	7439-89-6	0.021	0.01		67		
	inorganic material	phosphorus	7723-14-0	0.006	0.00		20		
	non noble metal	copper	7440-50-8	21.417	6.66	6.67	66631	66718	
*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