



Material Content Data Sheet



Sales Product Name		IDM05G120C5		Issued		19. January 2018			
MA#		MA001622964							
Package		PG-TO252-2-1		Weight*		329.75 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	0.014	0.00		44		
	noble metal	gold	7440-57-5	0.056	0.02		170		
	inorganic material	siliconcarbide	409-21-2	0.857	0.26	0.28	2599	2813	
leadframe	inorganic material	phosphorus	7723-14-0	0.046	0.01		138		
	non noble metal	iron	7439-89-6	0.152	0.05		460		
	non noble metal	copper	7440-50-8	151.510	45.96	46.02	459466	460064	
wire	non noble metal	aluminium	7429-90-5	0.422	0.13	0.13	1279	1279	
	encapsulation	organic material	carbon black	1333-86-4	0.303	0.09		920	
		plastics	epoxy resin	-	13.950	4.23		42306	
	inorganic material	silicondioxide	60676-86-0	137.382	41.66	45.98	416621	459847	
leadfinish	non noble metal	tin	7440-31-5	3.509	1.06	1.06	10640	10640	
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00		1		
	non noble metal	nickel	7440-02-0	0.107	0.03	0.03	324	325	
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		20		
	non noble metal	iron	7439-89-6	0.021	0.01		65		
	non noble metal	copper	7440-50-8	21.417	6.49	6.50	64947	65032	
*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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