



## Material Content Data Sheet



<b>Sales Product Name</b>		IDM02G120C5		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA001646478						
<b>Package</b>		PG-TO252-2-1		<b>Weight*</b>		329.60 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	0.009	0.00		28	
	noble metal	gold	7440-57-5	0.035	0.01		107	
	inorganic material	siliconcarbide	409-21-2	0.540	0.16	0.17	1639	1774
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	45.98	46.04	459686	460284
wire	non noble metal	aluminium	7429-90-5	0.105	0.03	0.03	320	320
encapsulation	organic material	carbon black	1333-86-4	0.304	0.09		923	
	plastics	epoxy resin	-	13.997	4.25		42466	
	inorganic material	silicondioxide	60676-86-0	137.837	41.82	46.16	418200	461589
leadfinish	non noble metal	tin	7440-31-5	3.509	1.06	1.06	10645	10645
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	6.50	6.51	64978	65063
*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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