



Material Content Data Sheet



Halogen-Free

Sales Product Name	IDM05G120C5	Issued	10. May 2021
MA#	MA001622964		
Package	PG-TO252-2-1	Weight*	329.86 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			44	
	noble metal	gold	7440-57-5	0.056	0.02		170	
	inorganic material	siliconcarbide	409-21-2	0.857	0.26	0.28	2598	2812
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	45.94	46.00	459324	459922
wire	non noble metal	aluminium	7429-90-5	0.525	0.16	0.16	1591	1591
encapsulation	organic material	carbon black	1333-86-4	0.303	0.09		919	
	plastics	epoxy resin	-	13.950	4.23		42293	
	inorganic material	silicondioxide	60676-86-0	137.382	41.65	45.97	416490	459702
leadfinish	non noble metal	tin	7440-31-5	3.509	1.06	1.06	10637	10637
plating	inorganic material	phosphorus	7723-14-0	0.000			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			19	
	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	64927	65011
*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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