

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDM02G120C5	**Issued**	18. August 2021
MA#	MA001646478		
Package	PG-TO252-2-1	**Weight***	329.62 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			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	45.97	46.03	459650	460248
wire	non noble metal	aluminium	7429-90-5	0.131	0.04	0.04	398	398
encapsulation	organic material	carbon black	1333-86-4	0.304	0.09		923	
	plastics	epoxy resin	-	13.997	4.25		42463	
	inorganic material	silicondioxide	60676-86-0	137.837	41.82	46.16	418167	461553
leadfinish	non noble metal	tin	7440-31-5	3.509	1.06	1.06	10644	10644
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			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	64973	65058
*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.
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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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