



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IDM02G120C5	<b>Issued</b>	18. August 2021
<b>MA#</b>	MA001646478		
<b>Package</b>	PG-TO252-2-1	<b>Weight*</b>	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:

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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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