



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IDWD40G120C5	<b>Issued</b>	14. February 2022
<b>MA#</b>	MA005621363		
<b>Package</b>	PG-TO247-2-2	<b>Weight*</b>	5759.52 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	siliconcarbide	409-21-2	3.378	0.06	0.06	587	587
chip_2	inorganic material	siliconcarbide	409-21-2	3.378	0.06	0.06	587	587
leadframe	inorganic material	phosphorus	7723-14-0	1.136	0.02		197	
	non noble metal	iron	7439-89-6	3.785	0.07		657	
	non noble metal	copper	7440-50-8	3,780.106	65.62	65.71	656323	657177
wire	non noble metal	aluminium	7429-90-5	8.987	0.16	0.16	1560	1560
encapsulation	organic material	carbon black	1333-86-4	19.418	0.34		3371	
	plastics	epoxy resin	-	368.947	6.41		64058	
	inorganic material	silicondioxide	60676-86-0	1,553.459	26.97	33.72	269720	337149
leadfinish	non noble metal	tin	7440-31-5	11.505	0.20	0.20	1998	1998
plating	non noble metal	nickel	7440-02-0	2.360	0.04	0.04	410	410
solder	non noble metal	antimony	7440-36-0	0.306	0.01		53	
	noble metal	silver	7440-22-4	0.766	0.01		133	
	non noble metal	tin	7440-31-5	1.991	0.03	0.05	346	532
*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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