



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IDWD10G120C5	<b>Issued</b>	14. February 2022
<b>MA#</b>	MA005621351		
<b>Package</b>	PG-TO247-2-2	<b>Weight*</b>	5754.21 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	1.016	0.02	0.02	177	177
chip_2	inorganic material	siliconcarbide	409-21-2	1.016	0.02	0.02	177	177
leadframe	inorganic material	phosphorus	7723-14-0	1.136	0.02		197	
	non noble metal	iron	7439-89-6	3.785	0.07		658	
	non noble metal	copper	7440-50-8	3,780.106	65.69	65.78	656929	657784
wire	non noble metal	aluminium	7429-90-5	2.002	0.03	0.03	348	348
encapsulation	organic material	carbon black	1333-86-4	19.501	0.34		3389	
	plastics	epoxy resin	-	370.514	6.44		64390	
	inorganic material	silicondioxide	60676-86-0	1,560.059	27.11	33.89	271117	338896
leadfinish	non noble metal	tin	7440-31-5	11.505	0.20	0.20	1999	1999
plating	non noble metal	nickel	7440-02-0	2.360	0.04	0.04	410	410
solder	non noble metal	antimony	7440-36-0	0.121			21	
	noble metal	silver	7440-22-4	0.302	0.01		52	
	non noble metal	tin	7440-31-5	0.785	0.01	0.02	136	209
*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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