



Material Content Data Sheet



Halogen-Free

Sales Product Name IDWD30G120C5

Issued

14. February 2022

MA# MA005621360

Package PG-TO247-2-2

Weight*

5757.04 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	2.609	0.05	0.05	453	453
chip_2	inorganic material	siliconcarbide	409-21-2	2.609	0.05	0.05	453	453
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	65.65	65.74	656607	657461
wire	non noble metal	aluminium	7429-90-5	4.028	0.07	0.07	700	700
encapsulation	organic material	carbon black	1333-86-4	19.464	0.34		3381	
	plastics	epoxy resin	-	369.818	6.42		64238	
	inorganic material	silicondioxide	60676-86-0	1,557.130	27.05	33.81	270474	338093
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	0.249			43	
	noble metal	silver	7440-22-4	0.622	0.01		108	
	non noble metal	tin	7440-31-5	1.617	0.03	0.04	281	432
*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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