



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPZA65R029CFD7	<b>Issued</b>	03. June 2021
<b>MA#</b>	MA005419636		
<b>Package</b>	PG-TO247-4-3	<b>Weight*</b>	6300.55 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	21.570	0.34	0.34	3424	3424
leadframe	inorganic material	phosphorus	7723-14-0	1.279	0.02		203	
	non noble metal	iron	7439-89-6	4.263	0.07		677	
	non noble metal	copper	7440-50-8	4,257.756	67.58	67.67	675774	676654
wire	non noble metal	aluminium	7429-90-5	18.740	0.30	0.30	2974	2974
encapsulation	organic material	carbon black	1333-86-4	19.525	0.31		3099	
	plastics	epoxy resin	-	370.975	5.89		58880	
	inorganic material	silicondioxide	60676-86-0	1,561.998	24.79	30.99	247914	309893
leadfinish	non noble metal	tin	7440-31-5	34.164	0.54	0.54	5422	5422
plating	non noble metal	nickel	7440-02-0	1.950	0.03	0.03	310	310
solder	non noble metal	antimony	7440-36-0	0.833	0.01		132	
	noble metal	silver	7440-22-4	2.083	0.03		331	
	non noble metal	tin	7440-31-5	5.417	0.09	0.13	860	1323
*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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