



## Material Content Data Sheet



Halogen-Free

Sales Product Name	IPZA60R024P7	Issued	05. April 2021
MA#	MA001913450		
Package	PG-TO247-4-3	Weight*	6299.92 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	24.892	0.40	0.40	3951	3951
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	675842	676722
wire	non noble metal	aluminium	7429-90-5	11.832	0.19	0.19	1878	1878
encapsulation	organic material	carbon black	1333-86-4	19.544	0.31		3102	
	plastics	epoxy resin	-	371.339	5.89		58943	
	inorganic material	silicondioxide	60676-86-0	1,563.534	24.82	31.02	248183	310228
leadfinish	non noble metal	tin	7440-31-5	34.164	0.54	0.54	5423	5423
plating	non noble metal	nickel	7440-02-0	1.950	0.03	0.03	310	310
solder	non noble metal	antimony	7440-36-0	0.937	0.01		149	
	noble metal	silver	7440-22-4	2.342	0.04		372	
	non noble metal	tin	7440-31-5	6.090	0.10	0.15	967	1488
*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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