

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPZ65R045C7	**Issued**	01. April 2021
MA#	MA001167928		
Package	PG-TO247-4-1	**Weight***	6170.76 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	15.501	0.25	0.25	2512	2512
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		140	
	non noble metal	iron	7439-89-6	2.890	0.05		468	
	non noble metal	copper	7440-50-8	2,885.760	46.77	46.83	467652	468260
wire	non noble metal	aluminium	7429-90-5	11.868	0.19	0.19	1923	1923
encapsulation	organic material	carbon black	1333-86-4	19.979	0.32		3238	
	plastics	epoxy resin	-	379.592	6.15		61515	
	inorganic material	silicondioxide	60676-86-0	1,598.283	25.90	32.37	259009	323762
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3741	3741
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315
solder	non noble metal	antimony	7440-36-0	0.648	0.01		105	
	noble metal	silver	7440-22-4	1.619	0.03		262	
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	682	1049
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		198	
	non noble metal	copper	7440-50-8	1,222.919	19.82	19.85	198180	198438
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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