

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA65R065C7	**Issued**	13. May 2021
MA#	MA002224324		
Package	PG-TO220-3-313	**Weight***	2203.55 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	10.944	0.50	0.50	4967	4967
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
	non noble metal	copper	7440-50-8	902.149	40.94	40.99	409406	409939
wire	non noble metal	aluminium	7429-90-5	7.098	0.32	0.32	3221	3221
encapsulation	organic material	carbon black	1333-86-4	2.340	0.11		1062	
	plastics	epoxy resin	-	212.059	9.62		96235	
	inorganic material	silicondioxide	60676-86-0	908.210	41.21	50.94	412157	509454
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3575	3575
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.498	0.02		226	
	noble metal	silver	7440-22-4	1.246	0.06		565	
	non noble metal	tin	7440-31-5	3.239	0.15	0.23	1470	2261
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.57	6.58	65746	65832
*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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