

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA60R520C6	**Issued**	04. April 2021
MA#	MA001703056		
Package	PG-TO220-3-313	**Weight***	2208.53 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	3.425	0.16	0.16	1551	1551
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.85	40.90	408485	409017
wire	non noble metal	aluminium	7429-90-5	0.800	0.04	0.04	362	362
encapsulation	organic material	carbon black	1333-86-4	2.301	0.10		1042	
	plastics	epoxy resin	-	215.253	9.75		97464	
	inorganic material	silicondioxide	60676-86-0	926.677	41.95	51.80	419591	518097
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3567	3567
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.215	0.01		97	
	noble metal	silver	7440-22-4	0.537	0.02		243	
	non noble metal	tin	7440-31-5	1.397	0.06	0.09	632	972
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	6.56	6.57	65598	65684
*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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