

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA60R380P6	**Issued**	31. March 2021
MA#	MA001371740		
Package	PG-TO220-3-313	**Weight***	2207.59 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	4.522	0.20	0.20	2048	2048
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	40.87	40.92	408658	409190
wire	non noble metal	aluminium	7429-90-5	0.803	0.04	0.04	364	364
encapsulation	organic material	carbon black	1333-86-4	2.309	0.10		1046	
	plastics	epoxy resin	-	214.921	9.74		97355	
	inorganic material	silicondioxide	60676-86-0	924.509	41.87	51.71	418787	517188
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3568	3568
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.261	0.01		118	
	noble metal	silver	7440-22-4	0.652	0.03		295	
	non noble metal	tin	7440-31-5	1.694	0.08	0.12	767	1180
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	65626	65712
*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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