



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA60R080P7	Issued	12. April 2021
MA#	MA002039094		
Package	PG-TO220-3-313	Weight*	2206.58 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	7.931	0.36	0.36	3594	3594
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	40.88	40.93	408846	409378
wire	non noble metal	aluminium	7429-90-5	3.629	0.16	0.16	1645	1645
encapsulation	organic material	carbon black	1333-86-4	2.317	0.10		1050	
	plastics	epoxy resin	-	213.588	9.68		96796	
	inorganic material	silicondioxide	60676-86-0	917.305	41.58	51.36	415714	513560
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3570	3570
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.389	0.02		176	
	noble metal	silver	7440-22-4	0.972	0.04		440	
	non noble metal	tin	7440-31-5	2.526	0.11	0.17	1145	1761
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	65656	65742
*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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