



Material Content Data Sheet



Sales Product Name		IPA60R060P7		Issued		1. August 2018		
MA#		MA002050890						
Package		PG-TO220-3-313		Weight*		2204.35 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	10.430	0.47	0.47	4731	4731
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	40.93	40.98	409259	409792
	non noble metal	aluminium	7429-90-5	5.700	0.26	0.26	2586	2586
wire	non noble metal	aluminium	7429-90-5	5.700	0.26	0.26	2586	2586
encapsulation	organic material	carbon black	1333-86-4	2.322	0.11		1053	
	plastics	epoxy resin	-	212.355	9.63		96334	
	inorganic material	silicondioxide	60676-86-0	910.825	41.32	51.06	413196	510583
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3573	3573
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.479	0.02		218	
	noble metal	silver	7440-22-4	1.199	0.05		544	
	non noble metal	tin	7440-31-5	3.117	0.14	0.21	1414	2176
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		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	65722	65808
*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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