



Material Content Data Sheet



Sales Product Name		IPA80R360P7		Issued		22. January 2018		
MA#		MA002112106						
Package		PG-TO220-3-313		Weight*		2226.21 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	4.140	0.19	0.19	1860	1860
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		406	
	non noble metal	copper	7440-50-8	902.149	40.52	40.57	405240	405768
	non noble metal	aluminium	7429-90-5	2.960	0.13	0.13	1330	1330
wire	non noble metal	aluminium	7429-90-5	2.960	0.13	0.13	1330	1330
encapsulation	organic material	carbon black	1333-86-4	2.343	0.11		1052	
	plastics	epoxy resin	-	218.108	9.80		97973	
	inorganic material	silicondioxide	60676-86-0	938.277	42.15	52.06	421469	520494
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3538	3538
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	744	744
solder	non noble metal	antimony	7440-36-0	0.246	0.01		110	
	noble metal	silver	7440-22-4	0.615	0.03		276	
	non noble metal	tin	7440-31-5	1.598	0.07	0.11	718	1104
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.51	6.52	65077	65162
*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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