



Material Content Data Sheet



Sales Product Name		IPA80R280P7		Issued		24. January 2018		
MA#		MA002107988						
Package		PG-TO220-3-313		Weight*		2229.40 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	5.042	0.23	0.23	2261	2261
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		405	
	non noble metal	copper	7440-50-8	902.149	40.47	40.52	404661	405188
	non noble metal	aluminium	7429-90-5	2.890	0.13	0.13	1296	1296
wire	non noble metal	aluminium	7429-90-5	2.890	0.13	0.13	1296	1296
encapsulation	organic material	carbon black	1333-86-4	2.353	0.11		1055	
	plastics	epoxy resin	-	218.548	9.80		98030	
	inorganic material	silicondioxide	60676-86-0	939.827	42.16	52.07	421562	520647
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3533	3533
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	743	743
solder	non noble metal	antimony	7440-36-0	0.282	0.01		126	
	noble metal	silver	7440-22-4	0.704	0.03		316	
	non noble metal	tin	7440-31-5	1.830	0.08	0.12	821	1263
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	6.50	6.51	64984	65069
*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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