



Material Content Data Sheet



Sales Product Name				IPA60R080P7		Issued		20. July 2018	
MA#				MA001669790					
Package				PG-TO220-3-313		Weight*		2240.02 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	0.35	0.35	3540	3540	
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		121		
	non noble metal	iron	7439-89-6	0.903	0.04		403		
	non noble metal	copper	7440-50-8	902.149	40.27	40.32	402741	403265	
	non noble metal	aluminium	7429-90-5	2.917	0.13	0.13	1302	1302	
wire	non noble metal	aluminium	7429-90-5	2.917	0.13	0.13	1302	1302	
encapsulation	organic material	carbon black	1333-86-4	2.386	0.11		1065		
	plastics	epoxy resin	-	220.010	9.82		98218		
	inorganic material	silicondioxide	60676-86-0	944.975	42.20	52.13	421860	521143	
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3516	3516	
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	739	739	
solder	non noble metal	antimony	7440-36-0	0.389	0.02		174		
	noble metal	silver	7440-22-4	0.972	0.04		434		
	non noble metal	tin	7440-31-5	2.526	0.11	0.17	1128	1736	
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		19		
	non noble metal	iron	7439-89-6	0.145	0.01		65		
	non noble metal	copper	7440-50-8	144.874	6.47	6.48	64675	64759	
*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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