



Material Content Data Sheet



Sales Product Name				IPA60R280C6		Issued		25. September 2017	
MA#				MA000969474					
Package				PG-TO220-3-111		Weight*		2264.08 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	5.826	0.26	0.26	2573	2573	
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		303		
	inorganic material	phosphorus	7723-14-0	0.206	0.01		91		
	non noble metal	copper	7440-50-8	686.221	30.31	30.35	303091	303485	
wire	non noble metal	aluminium	7429-90-5	26.002	1.15	1.15	11484	11484	
encapsulation	organic material	carbon black	1333-86-4	2.241	0.10		990		
	plastics	epoxy resin	-	207.418	9.16		91612		
	inorganic material	silicondioxide	60676-86-0	891.441	39.37	48.63	393732	486335	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3508	3508	
plating	non noble metal	nickel	7440-02-0	0.305	0.01		135		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	135	
solder	non noble metal	antimony	7440-36-0	0.312	0.01		138		
	noble metal	silver	7440-22-4	0.779	0.03		344		
	non noble metal	tin	7440-31-5	2.025	0.09	0.13	895	1377	
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		191		
	inorganic material	phosphorus	7723-14-0	0.130	0.01		57		
	non noble metal	copper	7440-50-8	432.110	19.09	19.12	190855	191103	
*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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