



Material Content Data Sheet



Sales Product Name				IPA65R380C6		Issued		25. September 2017	
MA#				MA001039200					
Package				PG-TO220-3-111		Weight*		2238.83 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	4.901	0.22	0.22	2189	2189	
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		307		
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92		
	non noble metal	copper	7440-50-8	686.221	30.65	30.69	306510	306909	
wire	non noble metal	aluminium	7429-90-5	0.713	0.03	0.03	318	318	
encapsulation	organic material	carbon black	1333-86-4	2.239	0.10		1000		
	plastics	epoxy resin	-	207.621	9.27		92737		
	inorganic material	silicondioxide	60676-86-0	892.549	39.88	49.25	398667	492405	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3547	3547	
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	136	
solder	non noble metal	antimony	7440-36-0	0.277	0.01		124		
	noble metal	silver	7440-22-4	0.692	0.03		309		
	non noble metal	tin	7440-31-5	1.799	0.08	0.12	804	1237	
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193		
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58		
	non noble metal	copper	7440-50-8	432.110	19.30	19.33	193008	193259	
*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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