



Material Content Data Sheet



Sales Product Name				IPA60R380C6		Issued		10. December 2015	
MA#				MA001243508					
Package				PG-TO220-3-111		Weight*		2240.98 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	4.522	0.20	0.20	2018	2018	
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	30.62	30.66	306216	306615	
wire	non noble metal	aluminium	7429-90-5	0.700	0.03	0.03	312	312	
encapsulation	organic material	carbon black	1333-86-4	2.222	0.10		992		
	plastics	epoxy resin	-	207.873	9.28		92760		
	inorganic material	silicondioxide	60676-86-0	894.919	39.93	49.31	399341	493094	
leadfinish	non noble metal	tin	7440-31-5	8.041	0.36	0.36	3588	3588	
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	0.261	0.01		116		
	noble metal	silver	7440-22-4	0.652	0.03		291		
	non noble metal	tin	7440-31-5	1.694	0.08	0.12	756	1163	
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	19.28	19.31	192823	193074	
*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 2011/65/EU (RoHS) and does not use any exemption.

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