



Material Content Data Sheet



Sales Product Name				IPA60R600P6		Issued		20. July 2018	
MA#				MA001356278					
Package				PG-TO220-3-111		Weight*		2240.38 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	3.063	0.14	0.14	1367	1367	
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	30.63	30.67	306297	306696	
wire	non noble metal	aluminium	7429-90-5	0.699	0.03	0.03	312	312	
encapsulation	organic material	carbon black	1333-86-4	2.225	0.10		993		
	plastics	epoxy resin	-	208.146	9.29		92907		
	inorganic material	silicondioxide	60676-86-0	896.114	39.99	49.38	399983	493884	
leadfinish	non noble metal	tin	7440-31-5	8.041	0.36	0.36	3589	3589	
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	0.200	0.01		89		
	noble metal	silver	7440-22-4	0.499	0.02		223		
	non noble metal	tin	7440-31-5	1.297	0.06	0.09	579	891	
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	19.29	19.32	192874	193125	
*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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