



Material Content Data Sheet



Sales Product Name		IPA60R600E6		Issued		2. August 2018		
MA#		MA001701658						
Package		PG-TO220-3-313		Weight*		2217.64 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	1381	1381
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		407	
	non noble metal	copper	7440-50-8	902.149	40.68	40.73	406806	407335
	non noble metal	aluminium	7429-90-5	0.789	0.04	0.04	356	356
wire	non noble metal	aluminium	7429-90-5	0.789	0.04	0.04	356	356
encapsulation	organic material	carbon black	1333-86-4	2.318	0.10		1045	
	plastics	epoxy resin	-	217.041	9.79		97870	
	inorganic material	silicondioxide	60676-86-0	934.518	42.14	52.03	421401	520316
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3552	3552
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	747	747
solder	non noble metal	antimony	7440-36-0	0.200	0.01		90	
	noble metal	silver	7440-22-4	0.499	0.02		225	
	non noble metal	tin	7440-31-5	1.297	0.06	0.09	585	900
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.53	6.54	65328	65413
*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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