



Material Content Data Sheet



Sales Product Name		IPA60R280E6		Issued		25. January 2018		
MA#		MA001702426						
Package		PG-TO220-3-313		Weight*		2232.30 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	2610	2610
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		121	
	non noble metal	iron	7439-89-6	0.903	0.04		405	
	non noble metal	copper	7440-50-8	902.149	40.41	40.46	404135	404661
	non noble metal	aluminium	7429-90-5	2.933	0.13	0.13	1314	1314
wire	non noble metal	aluminium	7429-90-5	2.933	0.13	0.13	1314	1314
encapsulation	organic material	carbon black	1333-86-4	2.361	0.11		1058	
	plastics	epoxy resin	-	218.938	9.81		98078	
	inorganic material	silicondioxide	60676-86-0	941.201	42.18	52.10	421629	520765
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3529	3529
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	742	742
solder	non noble metal	antimony	7440-36-0	0.312	0.01		140	
	noble metal	silver	7440-22-4	0.779	0.03		349	
	non noble metal	tin	7440-31-5	2.025	0.09	0.13	907	1396
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		19	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.49	6.50	64899	64983
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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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