



Material Content Data Sheet



Sales Product Name		IPW60R041P6		Issued		25. September 2017		
MA#		MA001092614						
Package		PG-TO247-3-44		Weight*		6072.23 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	35.395	0.58	0.58	5829	5829
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.71	8.72	87129	87242
wire	non noble metal	aluminium	7429-90-5	112.764	1.86	1.86	18571	18571
encapsulation	organic material	carbon black	1333-86-4	18.784	0.31		3093	
	plastics	epoxy resin	-	356.904	5.88		58777	
	inorganic material	silicondioxide	60676-86-0	1502.752	24.75	30.94	247480	309350
leadfinish	non noble metal	tin	7440-31-5	31.874	0.52	0.52	5249	5249
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4786	4786
solder	non noble metal	antimony	7440-36-0	1.245	0.02		205	
	noble metal	silver	7440-22-4	3.114	0.05		513	
	non noble metal	tin	7440-31-5	8.095	0.13	0.20	1333	2051
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		567	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.62	56.70	566185	566922
*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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