



Material Content Data Sheet



Sales Product Name		IPW60R045CPA		Issued		25. September 2017		
MA#		MA000772968						
Package		PG-TO247-3-41		Weight*		6060.72 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	35.449	0.58	0.58	5849	5849
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87295	87408
	non noble metal	aluminium	7429-90-5	12.659	0.21	0.21	2089	2089
wire	non noble metal	aluminium	7429-90-5	12.659	0.21	0.21	2089	2089
encapsulation	organic material	carbon black	1333-86-4	19.670	0.32		3245	
	plastics	epoxy resin	-	373.723	6.17		61663	
	inorganic material	silicondioxide	60676-86-0	1573.572	25.96	32.45	259635	324543
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5259	5259
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4796	4796
solder	non noble metal	antimony	7440-36-0	1.247	0.02		206	
	noble metal	silver	7440-22-4	3.117	0.05		514	
	non noble metal	tin	7440-31-5	8.105	0.13	0.20	1337	2057
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3438.006	56.73	56.81	567261	567999
*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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