



Material Content Data Sheet



Sales Product Name		IPW60R041C6		Issued		1. August 2018		
MA#		MA001703070						
Package		PG-TO247-3-44		Weight*		6060.63 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	5840	5840
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	87296	87409
	non noble metal	aluminium	7429-90-5	12.034	0.20	0.20	1986	1986
wire	non noble metal	aluminium	7429-90-5	12.034	0.20	0.20	1986	1986
encapsulation	organic material	carbon black	1333-86-4	19.676	0.32		3246	
	plastics	epoxy resin	-	373.838	6.17		61683	
	inorganic material	silicondioxide	60676-86-0	1574.053	25.97	32.46	259718	324647
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	1.245	0.02		206	
	noble metal	silver	7440-22-4	3.114	0.05		514	
	non noble metal	tin	7440-31-5	8.095	0.13	0.20	1336	2056
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	567269	568007
*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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