



Material Content Data Sheet



Sales Product Name		IPW60R040C7		Issued		20. July 2018		
MA#		MA002035302						
Package		PG-TO247-3-44		Weight*		6052.67 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	15.501	0.26	0.26	2561	2561
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87411	87525
	non noble metal	aluminium	7429-90-5	12.436	0.21	0.21	2055	2055
wire	non noble metal	aluminium	7429-90-5	12.436	0.21	0.21	2055	2055
encapsulation	organic material	carbon black	1333-86-4	19.851	0.33		3280	
	plastics	epoxy resin	-	377.164	6.23		62314	
	inorganic material	silicondioxide	60676-86-0	1588.060	26.24	32.80	262373	327967
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.648	0.01		107	
	noble metal	silver	7440-22-4	1.619	0.03		268	
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	696	1071
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.78	56.86	568013	568753
*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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