



Material Content Data Sheet



Sales Product Name		IPW60R040CFD7		Issued		2. August 2018		
MA#		MA001691442						
Package		PG-TO247-3-41		Weight*		6052.68 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	12.520	0.21	0.21	2068	2068
wire	non noble metal	aluminium	7429-90-5	12.520	0.21	0.21	2068	2068
encapsulation	organic material	carbon black	1333-86-4	19.850	0.33		3280	
	plastics	epoxy resin	-	377.150	6.23		62311	
	inorganic material	silicondioxide	60676-86-0	1588.000	26.24	32.80	262363	327954
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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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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