



Material Content Data Sheet



Sales Product Name		IPW60R070CFD7		Issued		1. August 2018		
MA#		MA001692842						
Package		PG-TO247-3-41		Weight*		6049.69 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	9.850	0.16	0.16	1628	1628
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	8.75	8.76	87454	87568
	non noble metal	aluminium	7429-90-5	7.568	0.13	0.13	1251	1251
wire	non noble metal	aluminium	7429-90-5	7.568	0.13	0.13	1251	1251
encapsulation	organic material	carbon black	1333-86-4	19.945	0.33		3297	
	plastics	epoxy resin	-	378.956	6.26		62640	
	inorganic material	silicondioxide	60676-86-0	1595.603	26.37	32.96	263749	329686
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.459	0.01		76	
	noble metal	silver	7440-22-4	1.147	0.02		190	
	non noble metal	tin	7440-31-5	2.981	0.05	0.08	493	759
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	56.82	56.90	568295	569035
*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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