



Material Content Data Sheet



Sales Product Name		IPW60R090CFD7		Issued		1. August 2018		
MA#		MA001691418						
Package		PG-TO247-3-41		Weight*		6048.72 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	7.589	0.13	0.13	1255	1255
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	87468	87582
	non noble metal	aluminium	7429-90-5	8.147	0.13	0.13	1347	1347
wire	non noble metal	aluminium	7429-90-5	8.147	0.13	0.13	1347	1347
encapsulation	organic material	carbon black	1333-86-4	19.961	0.33		3300	
	plastics	epoxy resin	-	379.252	6.27		62699	
	inorganic material	silicondioxide	60676-86-0	1596.850	26.40	33.00	263997	329996
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.375	0.01		62	
	noble metal	silver	7440-22-4	0.937	0.02		155	
	non noble metal	tin	7440-31-5	2.435	0.04	0.07	403	620
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	568385	569125
*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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