



Material Content Data Sheet



Sales Product Name		IPW60R031CFD7		Issued		1. August 2018		
MA#		MA001691086						
Package		PG-TO247-3-41		Weight*		6054.84 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	19.747	0.33	0.33	3261	3261
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	8.74	8.75	87380	87493
	non noble metal	aluminium	7429-90-5	16.323	0.27	0.27	2696	2696
wire	non noble metal	aluminium	7429-90-5	16.323	0.27	0.27	2696	2696
encapsulation	organic material	carbon black	1333-86-4	19.778	0.33		3267	
	plastics	epoxy resin	-	375.785	6.21		62064	
	inorganic material	silicondioxide	60676-86-0	1582.253	26.13	32.67	261321	326652
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.778	0.01		128	
	noble metal	silver	7440-22-4	1.945	0.03		321	
	non noble metal	tin	7440-31-5	5.056	0.08	0.12	835	1284
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	56.77	56.85	567810	568550
*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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