



Material Content Data Sheet



Sales Product Name		IPW65R041CFD		Issued		1. August 2018		
MA#		MA001678622						
Package		PG-TO247-3-41		Weight*		6062.17 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	39.403	0.65	0.65	6500	6500
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	8.73	8.74	87274	87387
	non noble metal	aluminium	7429-90-5	11.320	0.19	0.19	1867	1867
wire	non noble metal	aluminium	7429-90-5	11.320	0.19	0.19	1867	1867
encapsulation	organic material	carbon black	1333-86-4	19.646	0.32		3241	
	plastics	epoxy resin	-	373.273	6.16		61574	
	inorganic material	silicondioxide	60676-86-0	1571.676	25.93	32.41	259260	324075
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5258	5258
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4794	4794
solder	non noble metal	antimony	7440-36-0	1.367	0.02		225	
	noble metal	silver	7440-22-4	3.417	0.06		564	
	non noble metal	tin	7440-31-5	8.885	0.15	0.23	1466	2255
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3438.006	56.69	56.77	567126	567864
*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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