



Material Content Data Sheet



Sales Product Name				IPW60R060C7		Issued		1. August 2018	
MA#				MA002103730					
Package				PG-TO247-3-41		Weight*		6049.93 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	10.303	0.17	0.17	1703	1703	
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	87450	87564	
	non noble metal	aluminium	7429-90-5	7.956	0.13	0.13	1315	1315	
wire	non noble metal	aluminium	7429-90-5	7.956	0.13	0.13	1315	1315	
encapsulation	organic material	carbon black	1333-86-4	19.937	0.33		3295		
	plastics	epoxy resin	-	378.812	6.26		62614		
	inorganic material	silicondioxide	60676-86-0	1595.000	26.36	32.95	263640	329549	
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	0.474	0.01		78		
	noble metal	silver	7440-22-4	1.186	0.02		196		
	non noble metal	tin	7440-31-5	3.083	0.05	0.08	510	784	
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	56.83	56.91	568272	569012	
*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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