



Material Content Data Sheet



Sales Product Name		IPW60R060C7		Issued		24. January 2018		
MA#		MA002103716						
Package		PG-TO247-3-44		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	7.931	0.13	0.13	1311	1311
wire	non noble metal	aluminium	7429-90-5	7.931	0.13	0.13	1311	1311
encapsulation	organic material	carbon black	1333-86-4	19.938	0.33		3296	
	plastics	epoxy resin	-	378.816	6.26		62615	
	inorganic material	silicondioxide	60676-86-0	1595.017	26.36	32.95	263642	329553
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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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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