



Material Content Data Sheet



Sales Product Name		IPW60R037P7		Issued		22. January 2018		
MA#		MA001610786						
Package		PG-TO247-3-41		Weight*		6053.64 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	18.048	0.30	0.30	2981	2981
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	87397	87511
	non noble metal	aluminium	7429-90-5	12.045	0.20	0.20	1990	1990
wire	non noble metal	aluminium	7429-90-5	12.045	0.20	0.20	1990	1990
encapsulation	organic material	carbon black	1333-86-4	19.831	0.33		3276	
	plastics	epoxy resin	-	376.796	6.22		62243	
	inorganic material	silicondioxide	60676-86-0	1586.509	26.21	32.76	262075	327594
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5265	5265
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4801	4801
solder	non noble metal	antimony	7440-36-0	0.723	0.01		119	
	noble metal	silver	7440-22-4	1.809	0.03		299	
	non noble metal	tin	7440-31-5	4.702	0.08	0.12	777	1195
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	56.78	56.86	567923	568663
*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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