



Material Content Data Sheet



Sales Product Name				IPW60R017C7		Issued		20. July 2018	
MA#				MA001605270					
Package				PG-TO247-3-41		Weight*		6061.11 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	35.362	0.58	0.58	5834	5834	
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87		
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26		
	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87289	87402	
wire	non noble metal	aluminium	7429-90-5	16.386	0.27	0.27	2703	2703	
encapsulation	organic material	carbon black	1333-86-4	19.637	0.32		3240		
	plastics	epoxy resin	-	373.112	6.16		61558		
	inorganic material	silicondioxide	60676-86-0	1570.996	25.92	32.40	259193	323991	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5259	5259	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4795	4795	
solder	non noble metal	antimony	7440-36-0	1.244	0.02		205		
	noble metal	silver	7440-22-4	3.111	0.05		513		
	non noble metal	tin	7440-31-5	8.089	0.13	0.20	1335	2053	
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568		
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170		
	non noble metal	copper	7440-50-8	3438.006	56.72	56.80	567225	567963	
*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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