



Material Content Data Sheet



Sales Product Name	IPW60R045CP			Issued		23. January 2020		
MA#	MA000849064							
Package	PG-TO247-3-41			Weight*		6063.90 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	35.449	0.58	0.58	5846	5846
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	8.72	8.73	87249	87362
wire	non noble metal	aluminium	7429-90-5	16.174	0.27	0.27	2667	2667
encapsulation	organic material	carbon black	1333-86-4	19.666	0.32		3243	
	plastics	epoxy resin	-	373.660	6.16		61620	
	inorganic material	silicondioxide	60676-86-0	1573.304	25.95	32.43	259454	324317
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5256	5256
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4793	4793
solder	non noble metal	antimony	7440-36-0	1.247	0.02		206	
	noble metal	silver	7440-22-4	3.117	0.05		514	
	non noble metal	tin	7440-31-5	8.105	0.13	0.20	1337	2057
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	56.70	56.78	566964	567702
*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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