



Material Content Data Sheet



Sales Product Name		IPW60R099CP		Issued		20. July 2018		
MA#		MA000849054						
Package		PG-TO247-3-41		Weight*		6057.18 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	15.501	0.26	0.26	2559	2559
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	87346	87459
wire	non noble metal	aluminium	7429-90-5	45.014	0.74	0.74	7432	7432
encapsulation	organic material	carbon black	1333-86-4	19.563	0.32		3230	
	plastics	epoxy resin	-	371.688	6.14		61363	
	inorganic material	silicondioxide	60676-86-0	1565.000	25.84	32.30	258371	322964
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5328	5328
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4858	4858
solder	non noble metal	antimony	7440-36-0	0.648	0.01		107	
	noble metal	silver	7440-22-4	1.619	0.03		267	
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	695	1069
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3438.006	56.75	56.83	567592	568331
*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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