

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPW60R040CFD7	**Issued**	24. September 2019
MA#	MA005402071		
Package	PG-TO247-3-41	**Weight***	6055.73 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	2560	2560
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	8.74	8.75	87367	87480
wire	non noble metal	aluminium	7429-90-5	15.578	0.26	0.26	2572	2572
encapsulation	organic material	carbon black	1333-86-4	19.850	0.33		3278	
	plastics	epoxy resin	-	377.150	6.23		62280	
	inorganic material	silicondioxide	60676-86-0	1588.000	26.22	32.78	262231	327789
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5263	5263
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
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	567728	568467
*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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