

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPW60R105CFD7	**Issued**	19. September 2019
MA#	MA005402076		
Package	PG-TO247-3-44	**Weight***	6048.74 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	6.351	0.10	0.10	1050	1050
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	8.75	8.76	87467	87581
wire	non noble metal	aluminium	7429-90-5	5.196	0.09	0.09	859	859
encapsulation	organic material	carbon black	1333-86-4	20.007	0.33		3308	
	plastics	epoxy resin	-	380.133	6.28		62845	
	inorganic material	silicondioxide	60676-86-0	1600.561	26.46	33.07	264610	330763
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.332	0.01		55	
	noble metal	silver	7440-22-4	0.829	0.01		137	
	non noble metal	tin	7440-31-5	2.156	0.04	0.06	356	548
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	56.83	56.91	568384	569124
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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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