

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPW80R290C3A	**Issued**	11. December 2019
MA#	MA000459450		
Package	PG-TO247-3-41	**Weight***	6051.47 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	12.969	0.21	0.21	2143	2143
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	8.74	8.75	87428	87542
wire	non noble metal	aluminium	7429-90-5	4.823	0.08	0.08	797	797
encapsulation	organic material	carbon black	1333-86-4	19.949	0.33		3297	
	plastics	epoxy resin	-	379.035	6.26		62635	
	inorganic material	silicondioxide	60676-86-0	1595.936	26.37	32.96	263727	329659
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
solder	non noble metal	antimony	7440-36-0	0.558	0.01		92	
	noble metal	silver	7440-22-4	1.395	0.02		230	
	non noble metal	tin	7440-31-5	3.626	0.06	0.09	599	921
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	56.82	56.90	568128	568868
*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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