

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPW60R045P7	**Issued**	11. December 2019
MA#	MA005409158		
Package	PG-TO247-3-41	**Weight***	6053.53 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	13.676	0.23	0.23	2259	2259
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	87398	87512
wire	non noble metal	aluminium	7429-90-5	10.610	0.18	0.18	1753	1753
encapsulation	organic material	carbon black	1333-86-4	19.902	0.33		3288	
	plastics	epoxy resin	-	378.135	6.25		62465	
	inorganic material	silicondioxide	60676-86-0	1592.148	26.30	32.88	263011	328764
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5265	5265
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4801	4801
solder	non noble metal	antimony	7440-36-0	0.588	0.01		97	
	noble metal	silver	7440-22-4	1.469	0.02		243	
	non noble metal	tin	7440-31-5	3.820	0.06	0.09	631	971
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	56.78	56.86	567935	568675
*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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