

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPW65R420CFD	**Issued**	10. August 2018
MA#	MA003348022		
Package	PG-TO247-3-41	**Weight***	6046.72 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	4.901	0.08	0.08	810	810
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	87497	87611
wire	non noble metal	aluminium	7429-90-5	1.287	0.02	0.02	213	213
encapsulation	organic material	carbon black	1333-86-4	20.046	0.33		3315	
	plastics	epoxy resin	-	380.872	6.30		62988	
	inorganic material	silicondioxide	60676-86-0	1603.670	26.52	33.15	265213	331516
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807
solder	non noble metal	antimony	7440-36-0	0.277	0.00		46	
	noble metal	silver	7440-22-4	0.692	0.01		114	
	non noble metal	tin	7440-31-5	1.799	0.03	0.04	298	458
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	56.86	56.94	568574	569314
*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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