

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPW65R080CFD	**Issued**	03. April 2021
MA#	MA001667410		
Package	PG-TO247-3-41	**Weight***	6056.90 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	21.927	0.36	0.36	3620	3620
leadframe	inorganic material	phosphorus	7723-14-0	0.159			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	87350	87463
wire	non noble metal	aluminium	7429-90-5	10.504	0.17	0.17	1734	1734
encapsulation	organic material	carbon black	1333-86-4	19.828	0.33		3274	
	plastics	epoxy resin	-	376.728	6.22		62198	
	inorganic material	silicondioxide	60676-86-0	1,586.222	26.19	32.74	261887	327359
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5262	5262
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4799	4799
solder	non noble metal	antimony	7440-36-0	0.851	0.01		140	
	noble metal	silver	7440-22-4	2.127	0.04		351	
	non noble metal	tin	7440-31-5	5.530	0.09	0.14	913	1404
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	3,438.006	56.75	56.83	567620	568359
*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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