



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPW65R029CFD7

**Issued**

03. June 2021

**MA#** MA005418383

**Package** PG-TO247-3-41

**Weight\***

6058.77 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	21.570	0.36	0.36	3560	3560
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	8.73	8.74	87323	87436
wire	non noble metal	aluminium	7429-90-5	17.552	0.29	0.29	2897	2897
encapsulation	organic material	carbon black	1333-86-4	19.781	0.33		3265	
	plastics	epoxy resin	-	375.846	6.20		62033	
	inorganic material	silicondioxide	60676-86-0	1,582.511	26.12	32.65	261194	326492
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5261	5261
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4797	4797
solder	non noble metal	antimony	7440-36-0	0.833	0.01		138	
	noble metal	silver	7440-22-4	2.083	0.03		344	
	non noble metal	tin	7440-31-5	5.417	0.09	0.13	894	1376
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3,438.006	56.74	56.82	567443	568181
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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