



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPW65R041CFD

**Issued**

17. February 2022

**MA#** MA005619902

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

**Weight\***

6064.93 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	39.403	0.65	0.65	6497	6497
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	8.72	8.73	87234	87347
wire	non noble metal	aluminium	7429-90-5	14.085	0.23	0.23	2322	2322
encapsulation	organic material	carbon black	1333-86-4	19.646	0.32		3239	
	plastics	epoxy resin	-	373.273	6.15		61546	
	inorganic material	silicondioxide	60676-86-0	1,571.676	25.91	32.38	259142	323927
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5256	5256
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4792	4792
solder	non noble metal	antimony	7440-36-0	1.367	0.02		225	
	noble metal	silver	7440-22-4	3.417	0.06		563	
	non noble metal	tin	7440-31-5	8.885	0.15	0.23	1465	2253
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	56.69	56.77	566868	567606
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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