



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPW65R090CFD7

**Issued**

17. May 2021

**MA#** MA005417123

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

**Weight\***

6049.81 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	8.278	0.14	0.14	1368	1368
leadframe	inorganic material	phosphorus	7723-14-0	0.159			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	87452	87566
wire	non noble metal	aluminium	7429-90-5	5.893	0.10	0.10	974	974
encapsulation	organic material	carbon black	1333-86-4	19.984	0.33		3303	
	plastics	epoxy resin	-	379.705	6.28		62763	
	inorganic material	silicondioxide	60676-86-0	1,598.757	26.43	33.04	264266	330332
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.401	0.01		66	
	noble metal	silver	7440-22-4	1.002	0.02		166	
	non noble metal	tin	7440-31-5	2.606	0.04	0.07	431	663
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	3,438.006	56.80	56.88	568284	569024
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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