



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPW60R055CFD7

**Issued**

04. April 2021

**MA#** MA001691416

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

**Weight\***

6052.61 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	11.493	0.19	0.19	1899	1899
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	8.74	8.75	87412	87526
wire	non noble metal	aluminium	7429-90-5	10.618	0.18	0.18	1754	1754
encapsulation	organic material	carbon black	1333-86-4	19.922	0.33		3291	
	plastics	epoxy resin	-	378.509	6.25		62536	
	inorganic material	silicondioxide	60676-86-0	1,593.723	26.33	32.91	263311	329138
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.517	0.01		85	
	noble metal	silver	7440-22-4	1.291	0.02		213	
	non noble metal	tin	7440-31-5	3.358	0.06	0.09	555	853
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	56.79	56.87	568022	568762
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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