



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPW60R125CFD7

**Issued**

14. February 2022

**MA#** MA005626128

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

**Weight\***

6048.34 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	5.435	0.09	0.09	899	899
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	87473	87587
wire	non noble metal	aluminium	7429-90-5	5.287	0.09	0.09	874	874
encapsulation	organic material	carbon black	1333-86-4	20.015	0.33		3309	
	plastics	epoxy resin	-	380.281	6.29		62874	
	inorganic material	silicondioxide	60676-86-0	1,601.183	26.47	33.09	264731	330914
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.297			49	
	noble metal	silver	7440-22-4	0.741	0.01		123	
	non noble metal	tin	7440-31-5	1.928	0.03	0.04	319	491
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	56.84	56.92	568420	569160
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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