



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPW60R090CFD7

**Issued**

17. February 2022

**MA#** MA005619983

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

**Weight\***

6050.71 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	7.589	0.13	0.13	1254	1254
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	87439	87553
wire	non noble metal	aluminium	7429-90-5	10.137	0.17	0.17	1675	1675
encapsulation	organic material	carbon black	1333-86-4	19.961	0.33		3299	
	plastics	epoxy resin	-	379.252	6.27		62679	
	inorganic material	silicondioxide	60676-86-0	1,596.850	26.39	32.99	263911	329889
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5268	5268
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
solder	non noble metal	antimony	7440-36-0	0.375	0.01		62	
	noble metal	silver	7440-22-4	0.937	0.02		155	
	non noble metal	tin	7440-31-5	2.435	0.04	0.07	402	619
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	568199	568939
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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