



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPW60R040CFD7	<b>Issued</b>	04. April 2021
<b>MA#</b>	MA001718842		
<b>Package</b>	PG-TO247-3-44	<b>Weight*</b>	6055.78 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	15.501	0.26	0.26	2560	2560
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	8.74	8.75	87366	87479
wire	non noble metal	aluminium	7429-90-5	15.731	0.26	0.26	2598	2598
encapsulation	organic material	carbon black	1333-86-4	19.849	0.33		3278	
	plastics	epoxy resin	-	377.129	6.23		62276	
	inorganic material	silicondioxide	60676-86-0	1,587.913	26.22	32.78	262215	327769
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5263	5263
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4799	4799
solder	non noble metal	antimony	7440-36-0	0.648	0.01		107	
	noble metal	silver	7440-22-4	1.619	0.03		267	
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	695	1069
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3,438.006	56.75	56.83	567724	568463
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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