



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPW60R090CFD7	<b>Issued</b>	11. August 2021
<b>MA#</b>	MA005446971		
<b>Package</b>	PG-TO247-3-41	<b>Weight*</b>	6050.60 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	87441	87555
wire	non noble metal	aluminium	7429-90-5	9.742	0.16	0.16	1610	1610
encapsulation	organic material	carbon black	1333-86-4	19.963	0.33		3299	
	plastics	epoxy resin	-	379.305	6.27		62689	
	inorganic material	silicondioxide	60676-86-0	1,597.074	26.40	33.00	263953	329941
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	4804	4804
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	568209	568949
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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