



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPW65R045C7

**Issued**

14. February 2022

**MA#** MA005621278

**Package** PG-TO247-3-44

**Weight\***

6055.49 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	87370	87483
wire	non noble metal	aluminium	7429-90-5	14.729	0.24	0.24	2432	2432
encapsulation	organic material	carbon black	1333-86-4	19.856	0.33		3279	
	plastics	epoxy resin	-	377.265	6.23		62301	
	inorganic material	silicondioxide	60676-86-0	1,588.484	26.23	32.79	262322	327902
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
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	56.76	56.84	567751	568490
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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