



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPA60R385CP

**Issued**

17. February 2022

**MA#** MA005620595

**Package** PG-TO220-3-313

**Weight\***

2207.08 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	5.064	0.23	0.23	2295	2295
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.88	40.93	408752	409284
wire	non noble metal	aluminium	7429-90-5	1.003	0.05	0.05	455	455
encapsulation	organic material	carbon black	1333-86-4	2.315	0.10		1049	
	plastics	epoxy resin	-	214.734	9.73		97293	
	inorganic material	silicondioxide	60676-86-0	923.213	41.83	51.66	418295	516637
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3569	3569
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.283	0.01		128	
	noble metal	silver	7440-22-4	0.708	0.03		321	
	non noble metal	tin	7440-31-5	1.841	0.08	0.12	834	1283
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65641	65727
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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