



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA65R400CE	<b>Issued</b>	23. June 2021
<b>MA#</b>	MA005546093		
<b>Package</b>	PG-TO220-3-312	<b>Weight*</b>	2054.77 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	4.901	0.24	0.24	2385	2385
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		139	
	non noble metal	iron	7439-89-6	0.949	0.05		462	
	non noble metal	copper	7440-50-8	947.445	46.11	46.17	461095	461696
wire	non noble metal	aluminium	7429-90-5	1.057	0.05	0.05	514	514
encapsulation	organic material	carbon black	1333-86-4	10.808	0.53		5260	
	plastics	epoxy resin	-	174.456	8.49		84903	
	inorganic material	silicondioxide	60676-86-0	901.003	43.85	52.87	438494	528657
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5400	5400
solder	non noble metal	antimony	7440-36-0	0.277	0.01		135	
	noble metal	silver	7440-22-4	0.692	0.03		337	
	non noble metal	tin	7440-31-5	1.799	0.09	0.13	876	1348
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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