



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA80R310CE	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005557992		
<b>Package</b>	PG-TO220-3-312	<b>Weight*</b>	2054.83 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	12.969	0.63	0.63	6312	6312
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		138	
	non noble metal	iron	7439-89-6	0.949	0.05		462	
	non noble metal	copper	7440-50-8	947.445	46.09	46.15	461082	461682
wire	non noble metal	aluminium	7429-90-5	4.018	0.20	0.20	1956	1956
encapsulation	organic material	carbon black	1333-86-4	10.607	0.52		5162	
	plastics	epoxy resin	-	173.011	8.42		84197	
	inorganic material	silicondioxide	60676-86-0	888.873	43.26	52.20	432578	521937
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5399	5399
solder	non noble metal	antimony	7440-36-0	0.558	0.03		271	
	noble metal	silver	7440-22-4	1.395	0.07		679	
	non noble metal	tin	7440-31-5	3.626	0.18	0.28	1764	2714
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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