



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA80R460CE	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005556879		
<b>Package</b>	PG-TO220-3-312	<b>Weight*</b>	2053.63 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	9.366	0.46	0.46	4561	4561
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	46.13	46.19	461350	461951
wire	non noble metal	aluminium	7429-90-5	3.668	0.18	0.18	1786	1786
encapsulation	organic material	carbon black	1333-86-4	10.645	0.52		5183	
	plastics	epoxy resin	-	173.657	8.46		84561	
	inorganic material	silicondioxide	60676-86-0	892.106	43.44	52.42	434404	524148
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5403	5403
solder	non noble metal	antimony	7440-36-0	0.442	0.02		215	
	noble metal	silver	7440-22-4	1.104	0.05		538	
	non noble metal	tin	7440-31-5	2.870	0.14	0.21	1398	2151
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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