



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA60R170CFD7	<b>Issued</b>	18. August 2021
<b>MA#</b>	MA005568813		
<b>Package</b>	PG-TO220-3-317	<b>Weight*</b>	2105.31 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	4.363	0.21	0.21	2072	2072
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		571	
	non noble metal	copper	7440-50-8	1,200.685	57.02	57.10	570314	571056
wire	non noble metal	aluminium	7429-90-5	3.736	0.18	0.18	1775	1775
encapsulation	organic material	carbon black	1333-86-4	8.799	0.42		4179	
	plastics	epoxy resin	-	142.080	6.75		67487	
	inorganic material	silicondioxide	60676-86-0	733.641	34.85	42.02	348472	420138
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3747	3747
solder	non noble metal	antimony	7440-36-0	0.255	0.01		121	
	noble metal	silver	7440-22-4	0.638	0.03		303	
	non noble metal	tin	7440-31-5	1.659	0.08	0.12	788	1212
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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