



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA60R360CFD7	<b>Issued</b>	08. April 2021
<b>MA#</b>	MA005171978		
<b>Package</b>	PG-TO220-3-253	<b>Weight*</b>	2133.93 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	2.444	0.11	0.11	1145	1145
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		670	
	non noble metal	copper	7440-50-8	1,428.770	66.96	67.05	669547	670418
wire	non noble metal	aluminium	7429-90-5	2.630	0.12	0.12	1233	1233
encapsulation	organic material	carbon black	1333-86-4	3.366	0.16		1578	
	plastics	epoxy resin	-	131.289	6.15		61525	
	inorganic material	silicondioxide	60676-86-0	538.623	25.24	31.55	252409	315512
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10058	10058
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.172	0.01		81	
	noble metal	silver	7440-22-4	0.431	0.02		202	
	non noble metal	tin	7440-31-5	1.120	0.05	0.08	525	808
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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