



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPAW60R280CE	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005564627		
<b>Package</b>	PG-TO220-3-315	<b>Weight*</b>	1839.95 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	5.826	0.32	0.32	3166	3166
leadframe	inorganic material	phosphorus	7723-14-0	0.190	0.01		103	
	non noble metal	iron	7439-89-6	0.632	0.03		343	
	non noble metal	copper	7440-50-8	630.863	34.29	34.33	342870	343316
wire	non noble metal	aluminium	7429-90-5	3.699	0.20	0.20	2011	2011
encapsulation	organic material	carbon black	1333-86-4	15.087	0.82		8200	
	plastics	epoxy resin	-	229.073	12.45		124500	
	inorganic material	silicondioxide	60676-86-0	943.737	51.29	64.56	512913	645613
leadfinish	non noble metal	tin	7440-31-5	7.729	0.42	0.42	4201	4201
solder	non noble metal	antimony	7440-36-0	0.312	0.02		169	
	noble metal	silver	7440-22-4	0.779	0.04		423	
	non noble metal	tin	7440-31-5	2.025	0.11	0.17	1101	1693
*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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