



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA60R460CE	<b>Issued</b>	06. April 2021
<b>MA#</b>	MA002319738		
<b>Package</b>	PG-TO220-3-312	<b>Weight*</b>	2055.07 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	4.072	0.20	0.20	1981	1981
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	46.10	46.16	461029	461629
wire	non noble metal	aluminium	7429-90-5	0.843	0.04	0.04	410	410
encapsulation	organic material	carbon black	1333-86-4	10.842	0.53		5276	
	plastics	epoxy resin	-	174.526	8.49		84925	
	inorganic material	silicondioxide	60676-86-0	902.585	43.92	52.94	439200	529401
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5399	5399
solder	non noble metal	antimony	7440-36-0	0.243	0.01		118	
	noble metal	silver	7440-22-4	0.606	0.03		295	
	non noble metal	tin	7440-31-5	1.576	0.08	0.12	767	1180
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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