



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA50R380CE	<b>Issued</b>	08. April 2021
<b>MA#</b>	MA004914196		
<b>Package</b>	PG-TO220-3-312	<b>Weight*</b>	2055.19 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	3.808	0.19	0.19	1853	1853
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	461000	461600
wire	non noble metal	aluminium	7429-90-5	0.843	0.04	0.04	410	410
encapsulation	organic material	carbon black	1333-86-4	10.851	0.53		5280	
	plastics	epoxy resin	-	174.550	8.49		84931	
	inorganic material	silicondioxide	60676-86-0	903.053	43.94	52.96	439401	529612
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5398	5398
solder	non noble metal	antimony	7440-36-0	0.231	0.01		113	
	noble metal	silver	7440-22-4	0.579	0.03		282	
	non noble metal	tin	7440-31-5	1.504	0.07	0.11	732	1127
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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