



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP80R1K4P7	<b>Issued</b>	16. April 2021
<b>MA#</b>	MA005406232		
<b>Package</b>	PG-TO220-3-123	<b>Weight*</b>	2034.05 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	1.500	0.07	0.07	737	737
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.08	40.13	400843	401364
wire	non noble metal	aluminium	7429-90-5	0.685	0.03	0.03	337	337
encapsulation	organic material	carbon black	1333-86-4	3.004	0.15		1477	
	miscellaneous	miscellaneous	-	3.004	0.15		1477	
	organic material	phenol formaldehyde resin	9003-35-4	36.044	1.77		17720	
	inorganic material	silicondioxide	14808-60-7	48.059	2.36		23627	
	non noble metal	metal hydroxide	-	48.059	2.36		23627	
	plastics	epoxy resin	29690-82-2	72.088	3.54		35441	
	inorganic material	silicondioxide	60676-86-0	390.476	19.20	29.53	191970	295339
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10552	10552
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	867	867
solder	non noble metal	antimony	7440-36-0	0.128	0.01		63	
	noble metal	silver	7440-22-4	0.319	0.02		157	
	non noble metal	tin	7440-31-5	0.830	0.04	0.07	408	628
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.98	29.02	289799	290176
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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