



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP60R160P6	<b>Issued</b>	05. February 2022
<b>MA#</b>	MA001725760		
<b>Package</b>	PG-TO220-3-123	<b>Weight*</b>	2029.56 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	9.747	0.48	0.48	4803	4803
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.17	40.22	401730	402253
wire	non noble metal	aluminium	7429-90-5	3.190	0.16	0.16	1572	1572
encapsulation	organic material	carbon black	1333-86-4	2.329	0.11		1147	
	plastics	epoxy resin	-	67.537	3.33		33277	
	inorganic material	silicondioxide	60676-86-0	512.349	25.24	28.68	252443	286867
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10575	10575
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869
solder	non noble metal	antimony	7440-36-0	0.455	0.02		224	
	noble metal	silver	7440-22-4	1.138	0.06		561	
	non noble metal	tin	7440-31-5	2.959	0.15	0.23	1458	2243
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.04	29.08	290440	290818
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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