



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPI60R380C6	<b>Issued</b>	03. May 2021
<b>MA#</b>	MA000925356		
<b>Package</b>	PG-TO262-3-1	<b>Weight*</b>	1568.90 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	4.522	0.29	0.29	2882	2882
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	iron	7439-89-6	0.851	0.05		542	
	non noble metal	copper	7440-50-8	849.682	54.15	54.22	541576	542281
wire	non noble metal	aluminium	7429-90-5	0.875	0.06	0.06	558	558
encapsulation	organic material	carbon black	1333-86-4	5.883	0.38		3750	
	plastics	epoxy resin	-	111.784	7.12		71250	
	inorganic material	silicondioxide	60676-86-0	470.669	30.00	37.50	299999	374999
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9687	9687
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	146	147
solder	non noble metal	antimony	7440-36-0	0.261	0.02		166	
	noble metal	silver	7440-22-4	0.652	0.04		415	
	non noble metal	tin	7440-31-5	1.694	0.11	0.17	1080	1661
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.77	6.78	67697	67785
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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