



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPI60R099CP	<b>Issued</b>	12. May 2021
<b>MA#</b>	MA001790394		
<b>Package</b>	PG-TO262-3-1	<b>Weight*</b>	1574.49 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	15.501	0.98	0.98	9845	9845
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	iron	7439-89-6	0.851	0.05		540	
	non noble metal	copper	7440-50-8	849.682	53.96	54.03	539656	540358
wire	non noble metal	aluminium	7429-90-5	3.414	0.22	0.22	2168	2168
encapsulation	organic material	carbon black	1333-86-4	5.765	0.37		3662	
	plastics	epoxy resin	-	109.541	6.96		69573	
	inorganic material	silicondioxide	60676-86-0	461.225	29.29	36.62	292937	366172
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9652	9652
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	145	146
solder	non noble metal	antimony	7440-36-0	0.648	0.04		411	
	noble metal	silver	7440-22-4	1.619	0.10		1029	
	non noble metal	tin	7440-31-5	4.210	0.27	0.41	2674	4114
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	6.75	6.76	67457	67545
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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