



## Material Content Data Sheet



<b>Sales Product Name</b>		IPI086N10N3 G		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA000973706						
<b>Package</b>		PG-TO262-3-1		<b>Weight*</b>		1569.47 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	4.609	0.28	0.28	2838	2838
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		524	
	inorganic material	phosphorus	7723-14-0	0.255	0.02		157	
	non noble metal	copper	7440-50-8	849.682	52.31	52.38	523182	523863
wire	non noble metal	aluminium	7429-90-5	6.625	0.41	0.41	4079	4079
encapsulation	organic material	carbon black	1333-86-4	5.830	0.36		3590	
	plastics	epoxy resin	-	110.772	6.82		68207	
	inorganic material	silicondioxide	60676-86-0	466.410	28.72	35.90	287186	358983
leadfinish	non noble metal	tin	7440-31-5	15.198	0.94	0.94	9358	9358
plating	non noble metal	nickel	7440-02-0	0.228	0.01		141	
	inorganic material	phosphorus	7723-14-0	0.001	3.36	3.37	33619	33760
solder	non noble metal	antimony	7440-36-0	0.266	0.02		164	
	noble metal	silver	7440-22-4	0.665	0.04		409	
	non noble metal	tin	7440-31-5	1.728	0.11	0.17	1064	1637
heatspreader	non noble metal	iron	7439-89-6	0.106	0.01		65	
	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	copper	7440-50-8	106.210	6.54	6.55	65397	65482
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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