



## Material Content Data Sheet



<b>Sales Product Name</b>				IPI045N10N3 G		<b>Issued</b>		25. September 2017	
<b>MA#</b>				MA000933836					
<b>Package</b>				PG-TO262-3-1		<b>Weight*</b>		1571.88 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	8.861	0.54	0.54	5448	5448	
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		523		
	inorganic material	phosphorus	7723-14-0	0.255	0.02		157		
	non noble metal	copper	7440-50-8	849.682	52.24	52.31	522405	523085	
wire	non noble metal	aluminium	7429-90-5	10.366	0.64	0.64	6373	6373	
encapsulation	organic material	carbon black	1333-86-4	5.758	0.35		3540		
	plastics	epoxy resin	-	109.401	6.73		67263		
	inorganic material	silicondioxide	60676-86-0	460.637	28.32	35.40	283212	354015	
leadfinish	non noble metal	tin	7440-31-5	15.198	0.93	0.93	9344	9344	
plating	non noble metal	nickel	7440-02-0	0.228	0.01		140		
	inorganic material	phosphorus	7723-14-0	0.001	3.36	3.37	33569	33709	
solder	non noble metal	antimony	7440-36-0	0.429	0.03		264		
	noble metal	silver	7440-22-4	1.074	0.07		660		
	non noble metal	tin	7440-31-5	2.791	0.17	0.27	1716	2640	
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	6.53	6.54	65301	65386	
*deviation	< 10%					Sum in total:	100.00	1000000	

### Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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