



## Material Content Data Sheet



<b>Sales Product Name</b>		IGZ100N65H5		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001178582						
<b>Package</b>		PG-TO247-4-1		<b>Weight*</b>		6165.33 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	5.000	0.08	0.08	811	811
leadframe	non noble metal	iron	7439-89-6	2.890	0.05		469	
	inorganic material	phosphorus	7723-14-0	0.867	0.01		141	
	non noble metal	copper	7440-50-8	2885.760	46.80	46.86	468061	468671
wire	non noble metal	aluminium	7429-90-5	15.234	0.25	0.25	2471	2471
encapsulation	organic material	carbon black	1333-86-4	20.021	0.32		3247	
	plastics	epoxy resin	-	380.397	6.17		61699	
	inorganic material	silicondioxide	60676-86-0	1601.672	25.98	32.47	259787	324733
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3745	3745
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	316	316
solder	non noble metal	antimony	7440-36-0	0.394	0.01		64	
	noble metal	silver	7440-22-4	0.986	0.02		160	
	non noble metal	tin	7440-31-5	2.564	0.04	0.07	416	640
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		199	
	non noble metal	copper	7440-50-8	1222.919	19.84	19.87	198354	198613
*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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