



## Material Content Data Sheet



<b>Sales Product Name</b>		IPZ65R019C7		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001614264						
<b>Package</b>		PG-TO247-4-1		<b>Weight*</b>		6176.84 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	35.362	0.57	0.57	5725	5725
leadframe	non noble metal	iron	7439-89-6	2.890	0.05		468	
	inorganic material	phosphorus	7723-14-0	0.867	0.01		140	
	non noble metal	copper	7440-50-8	2885.760	46.73	46.79	467191	467799
wire	non noble metal	aluminium	7429-90-5	13.122	0.21	0.21	2124	2124
encapsulation	organic material	carbon black	1333-86-4	19.768	0.32		3200	
	plastics	epoxy resin	-	375.601	6.08		60808	
	inorganic material	silicondioxide	60676-86-0	1581.478	25.60	32.00	256034	320042
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3738	3738
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315
solder	non noble metal	antimony	7440-36-0	1.244	0.02		201	
	noble metal	silver	7440-22-4	3.111	0.05		504	
	non noble metal	tin	7440-31-5	8.089	0.13	0.20	1310	2015
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		59	
	non noble metal	iron	7439-89-6	1.225	0.02		198	
	non noble metal	copper	7440-50-8	1222.919	19.80	19.83	197985	198242
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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