



## Material Content Data Sheet



<b>Sales Product Name</b>		IPZ65R019C7		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA002224320						
<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	inorganic material	phosphorus	7723-14-0	0.867	0.01		140	
	non noble metal	iron	7439-89-6	2.890	0.05		468	
	non noble metal	copper	7440-50-8	2885.760	46.73	46.79	467191	467799
	non noble metal	aluminium	7429-90-5	13.122	0.21	0.21	2124	2124
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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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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