



## Material Content Data Sheet



<b>Sales Product Name</b>		IPZ60R017C7		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA001373586						
<b>Package</b>		PG-TO247-4-1		<b>Weight*</b>		6177.13 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	46.72	46.78	467169	467777
wire	non noble metal	aluminium	7429-90-5	12.979	0.21	0.21	2101	2101
encapsulation	organic material	carbon black	1333-86-4	19.770	0.32		3200	
	plastics	epoxy resin	-	375.625	6.08		60809	
	inorganic material	silicondioxide	60676-86-0	1581.579	25.60	32.00	256038	320047
leadfinish	non noble metal	tin	7440-31-5	23.375	0.38	0.38	3784	3784
plating	non noble metal	nickel	7440-02-0	1.970	0.03	0.03	319	319
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	1309	2014
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	197976	198233
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com