



Material Content Data Sheet



Sales Product Name		IPZ65R045C7		Issued		19. July 2018			
MA#		MA001167928							
Package		PG-TO247-4-1		Weight*		6165.67 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	15.501	0.25	0.25	2514	2514	
leadframe	non noble metal	iron	7439-89-6	4.114	0.07		667		
	inorganic material	phosphorus	7723-14-0	1.234	0.02		200		
	non noble metal	copper	7440-50-8	4108.679	66.63	66.72	666381	667248	
wire	non noble metal	aluminium	7429-90-5	9.620	0.16	0.16	1560	1560	
encapsulation	organic material	carbon black	1333-86-4	19.950	0.32		3236		
	plastics	epoxy resin	-	379.052	6.15		61478		
	inorganic material	silicondioxide	60676-86-0	1596.007	25.89	32.36	258854	323568	
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3744	3744	
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315	
solder	non noble metal	antimony	7440-36-0	0.648	0.01		105		
	noble metal	silver	7440-22-4	1.619	0.03		263		
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	683	1051	
*deviation	< 10%					Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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