



## Material Content Data Sheet



<b>Sales Product Name</b>		IPS70R1K4P7S		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA001582998						
<b>Package</b>		PG-TO251-3-343		<b>Weight*</b>		338.86 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	0.908	0.27	0.27	2680	2680
leadframe	inorganic material	phosphorus	7723-14-0	0.048	0.01		142	
	non noble metal	iron	7439-89-6	0.160	0.05		472	
	non noble metal	copper	7440-50-8	159.794	47.14	47.20	471563	472177
	non noble metal	aluminium	7429-90-5	0.132	0.04	0.04	389	389
wire	non noble metal	aluminium	7429-90-5	0.132	0.04	0.04	389	389
encapsulation	organic material	carbon black	1333-86-4	0.734	0.22		2166	
	plastics	epoxy resin	-	19.819	5.85		58487	
	inorganic material	silicondioxide	60676-86-0	126.256	37.26	43.33	372587	433240
leadfinish	non noble metal	tin	7440-31-5	4.771	1.41	1.41	14078	14078
solder	non noble metal	tin	7440-31-5	0.027	0.01		79	
	noble metal	silver	7440-22-4	0.033	0.01		98	
	non noble metal	lead	7439-92-1	1.274	0.38	0.40	3759	3936
heatspreader	inorganic material	phosphorus	7723-14-0	0.007	0.00		22	
	non noble metal	iron	7439-89-6	0.025	0.01		73	
	non noble metal	copper	7440-50-8	24.874	7.34	7.35	73405	73500
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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