



## Material Content Data Sheet



<b>Sales Product Name</b>		IPU80R1K4P7		<b>Issued</b>		24. January 2018		
<b>MA#</b>		MA001469116						
<b>Package</b>		PG-TO251-3-341		<b>Weight*</b>		368.31 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	1.500	0.41	0.41	4071	4071
leadframe	non noble metal	iron	7439-89-6	0.229	0.06		622	
	inorganic material	phosphorus	7723-14-0	0.069	0.02		187	
	non noble metal	copper	7440-50-8	228.946	62.15	62.23	621618	622427
wire	non noble metal	aluminium	7429-90-5	0.391	0.11	0.11	1062	1062
encapsulation	organic material	carbon black	1333-86-4	0.393	0.11		1068	
	plastics	epoxy resin	-	11.931	3.24		32395	
	inorganic material	silicondioxide	60676-86-0	118.788	32.25	35.60	322525	355988
leadfinish	non noble metal	tin	7440-31-5	3.740	1.02	1.02	10155	10155
plating	non noble metal	nickel	7440-02-0	0.509	0.14	0.14	1382	1382
solder	noble metal	silver	7440-22-4	0.045	0.01		123	
	non noble metal	tin	7440-31-5	0.036	0.01		98	
	non noble metal	lead	7439-92-1	1.729	0.47	0.49	4694	4915
*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.

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