



Material Content Data Sheet



Sales Product Name		IPA80R1K4P7		Issued		1. August 2018		
MA#		MA001623206						
Package		PG-TO220-3-317		Weight*		2111.19 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	0.07	0.07	710	710
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		569	
	non noble metal	copper	7440-50-8	1200.685	56.86	56.94	568726	569466
	non noble metal	aluminium	7429-90-5	0.767	0.04	0.04	363	363
wire	non noble metal	aluminium	7429-90-5	0.767	0.04	0.04	363	363
encapsulation	organic material	carbon black	1333-86-4	8.960	0.42		4244	
	plastics	epoxy resin	-	143.776	6.81		68102	
	inorganic material	silicondioxide	60676-86-0	744.766	35.28	42.51	352772	425118
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3737	3737
solder	non noble metal	antimony	7440-36-0	0.128	0.01		61	
	noble metal	silver	7440-22-4	0.320	0.02		151	
	non noble metal	tin	7440-31-5	0.831	0.04	0.07	394	606
*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