



Material Content Data Sheet



Sales Product Name		IPN65R1K5CE		Issued		20. July 2018			
MA#		MA001499756							
Package		PG-SOT223-3-1		Weight*		116.78 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	1.898	1.62	1.62	16249	16249	
leadframe	non noble metal	iron	7439-89-6	0.052	0.04		448		
	inorganic material	phosphorus	7723-14-0	0.016	0.01		135		
	non noble metal	copper	7440-50-8	52.304	44.79	44.84	447895	448478	
wire	non noble metal	copper	7440-50-8	0.148	0.13	0.13	1267	1267	
encapsulation	organic material	carbon black	1333-86-4	0.176	0.15		1507		
	plastics	epoxy resin	-	6.865	5.88		58785		
	inorganic material	silicondioxide	60676-86-0	51.632	44.21	50.24	442143	502435	
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11579	11579	
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1888	1888	
solder	noble metal	silver	7440-22-4	0.053	0.05		453		
	non noble metal	tin	7440-31-5	0.042	0.04		362		
	non noble metal	lead	7439-92-1	2.019	1.73	1.82	17289	18104	
*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