



Material Content Data Sheet



Sales Product Name		IPN50R1K4CE		Issued		20. July 2018			
MA#		MA001637208							
Package		PG-SOT223-3-1		Weight*		116.39 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	1.378	1.18	1.18	11844	11844	
leadframe	non noble metal	iron	7439-89-6	0.052	0.04		450		
	inorganic material	phosphorus	7723-14-0	0.016	0.01		135		
	non noble metal	copper	7440-50-8	52.304	44.94	44.99	449379	449964	
wire	non noble metal	copper	7440-50-8	0.158	0.14	0.14	1357	1357	
encapsulation	organic material	carbon black	1333-86-4	0.178	0.15		1526		
	plastics	epoxy resin	-	6.925	5.95		59495		
	inorganic material	silicondioxide	60676-86-0	52.084	44.75	50.85	447487	508508	
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11617	11617	
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1894	1894	
solder	noble metal	silver	7440-22-4	0.043	0.04		370		
	non noble metal	tin	7440-31-5	0.034	0.03		296		
	non noble metal	lead	7439-92-1	1.647	1.42	1.49	14150	14816	
*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