



Material Content Data Sheet



Sales Product Name		IPN50R2K0CE		Issued		20. July 2018			
MA#		MA001637216							
Package		PG-SOT223-3-1		Weight*		116.11 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	1.070	0.92	0.92	9218	9218	
leadframe	non noble metal	iron	7439-89-6	0.052	0.05		451		
	inorganic material	phosphorus	7723-14-0	0.016	0.01		135		
	non noble metal	copper	7440-50-8	52.304	45.05	45.11	450459	451045	
wire	non noble metal	copper	7440-50-8	0.111	0.10	0.10	953	953	
encapsulation	organic material	carbon black	1333-86-4	0.179	0.15		1537		
	plastics	epoxy resin	-	6.962	6.00		59959		
	inorganic material	silicondioxide	60676-86-0	52.364	45.09	51.24	450976	512472	
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11645	11645	
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1899	1899	
solder	noble metal	silver	7440-22-4	0.037	0.03		319		
	non noble metal	tin	7440-31-5	0.030	0.03		255		
	non noble metal	lead	7439-92-1	1.416	1.22	1.28	12194	12768	
*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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