

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPN50R3K0CE	**Issued**	24. January 2018
MA#	MA001819990		
Package	PG-SOT223-3-1	**Weight***	115.93 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	0.853	0.74	0.74	7358	7358
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		136	
	non noble metal	iron	7439-89-6	0.052	0.05		452	
	non noble metal	copper	7440-50-8	52.304	45.12	45.18	451166	451754
wire	non noble metal	copper	7440-50-8	0.110	0.09	0.09	945	945
encapsulation	organic material	carbon black	1333-86-4	0.179	0.15		1546	
	plastics	epoxy resin	-	6.988	6.03		60275	
	inorganic material	silicondioxide	60676-86-0	52.557	45.33	51.51	453349	515170
leadfinish	non noble metal	tin	7440-31-5	1.352	1.17	1.17	11663	11663
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1902	1902
solder	non noble metal	tin	7440-31-5	0.026	0.02		224	
	noble metal	silver	7440-22-4	0.032	0.03		280	
	non noble metal	lead	7439-92-1	1.241	1.07	1.12	10704	11208
*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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