

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPN60R3K4CE	**Issued**	4. July 2019
MA#	MA005342312		
Package	PG-SOT223-3-1	**Weight***	116.05 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	1.000	0.86	0.86	8613	8613
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		135	
	non noble metal	iron	7439-89-6	0.052	0.05		451	
	non noble metal	copper	7440-50-8	52.304	45.07	45.13	450696	451282
wire	non noble metal	copper	7440-50-8	0.104	0.09	0.09	895	895
encapsulation	organic material	carbon black	1333-86-4	0.179	0.15		1540	
	plastics	epoxy resin	-	6.970	6.01		60064	
	inorganic material	silicondioxide	60676-86-0	52.427	45.18	51.34	451761	513365
leadfinish	non noble metal	tin	7440-31-5	1.352	1.17	1.17	11651	11651
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1900	1900
solder	non noble metal	tin	7440-31-5	0.029	0.02		246	
	noble metal	silver	7440-22-4	0.036	0.03		307	
	non noble metal	lead	7439-92-1	1.363	1.17	1.22	11741	12294
*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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