

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPN60R1K5CE	**Issued**	4. July 2019
MA#	MA005342588		
Package	PG-SOT223-3-1	**Weight***	116.58 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	1.624	1.39	1.39	13931	13931
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		135	
	non noble metal	iron	7439-89-6	0.052	0.04		449	
	non noble metal	copper	7440-50-8	52.304	44.88	44.93	448654	449238
wire	non noble metal	copper	7440-50-8	0.163	0.14	0.14	1401	1401
encapsulation	organic material	carbon black	1333-86-4	0.177	0.15		1517	
	plastics	epoxy resin	-	6.896	5.92		59154	
	inorganic material	silicondioxide	60676-86-0	51.868	44.49	50.56	444919	505590
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11598	11598
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1891	1891
solder	non noble metal	tin	7440-31-5	0.038	0.03		327	
	noble metal	silver	7440-22-4	0.048	0.04		409	
	non noble metal	lead	7439-92-1	1.820	1.56	1.63	15615	16351
*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