

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPN60R1K0CE	**Issued**	4. July 2019
MA#	MA005340544		
Package	PG-SOT223-3-1	**Weight***	116.95 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	2.144	1.83	1.83	18330	18330
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		134	
	non noble metal	iron	7439-89-6	0.052	0.04		448	
	non noble metal	copper	7440-50-8	52.304	44.72	44.77	447230	447812
wire	non noble metal	copper	7440-50-8	0.164	0.14	0.14	1406	1406
encapsulation	organic material	carbon black	1333-86-4	0.175	0.15		1499	
	plastics	epoxy resin	-	6.836	5.85		58455	
	inorganic material	silicondioxide	60676-86-0	51.419	43.97	49.97	439661	499615
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11561	11561
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1885	1885
solder	non noble metal	tin	7440-31-5	0.045	0.04		388	
	noble metal	silver	7440-22-4	0.057	0.05		485	
	non noble metal	lead	7439-92-1	2.166	1.85	1.94	18518	19391
*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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