

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPN70R1K0CE	**Issued**	08. February 2022
MA#	MA005620269		
Package	PG-SOT223-3-1	**Weight***	117.27 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	2.509	2.14	2.14	21396	21396
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		134	
	non noble metal	iron	7439-89-6	0.052	0.04		447	
	non noble metal	copper	7440-50-8	52.304	44.61	44.66	445997	446578
wire	non noble metal	copper	7440-50-8	0.198	0.17	0.17	1688	1688
encapsulation	organic material	carbon black	1333-86-4	0.174	0.15		1485	
	plastics	epoxy resin	-	6.793	5.79		57924	
	inorganic material	silicondioxide	60676-86-0	51.092	43.57	49.51	435666	495075
leadfinish	non noble metal	tin	7440-31-5	1.352	1.15	1.15	11530	11530
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1880	1880
solder	non noble metal	tin	7440-31-5	0.051	0.04		437	
	noble metal	silver	7440-22-4	0.064	0.05		546	
	non noble metal	lead	7439-92-1	2.448	2.09	2.18	20870	21853
*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 Neubiberg
Internet	www.infineon.com