



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPN50R2K0CE	Issued	08. February 2022
MA#	MA005620744		
Package	PG-SOT223-3-1	Weight*	116.12 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	1.070	0.92	0.92	9217	9217
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	45.04	45.10	450418	451004
wire	non noble metal	copper	7440-50-8	0.111	0.10	0.10	953	953
encapsulation	organic material	carbon black	1333-86-4	0.179	0.15		1537	
	plastics	epoxy resin	-	6.962	6.00		59954	
	inorganic material	silicondioxide	60676-86-0	52.364	45.09	51.24	450934	512425
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11644	11644
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1899	1899
solder	non noble metal	tin	7440-31-5	0.030	0.03		257	
	noble metal	silver	7440-22-4	0.037	0.03		321	
	non noble metal	lead	7439-92-1	1.426	1.23	1.29	12280	12858
*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