



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPN50R2K0CE	Issued	11. April 2021
MA#	MA001839706		
Package	PG-SOT223-3-1	Weight*	116.11 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	9218	9218
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	45.05	45.11	450459	451045
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		59959	
	inorganic material	silicondioxide	60676-86-0	52.364	45.09	51.24	450976	512472
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11645	11645
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		255	
	noble metal	silver	7440-22-4	0.037	0.03		319	
	non noble metal	lead	7439-92-1	1.416	1.22	1.28	12194	12768
*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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