

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPN60R2K1CE	**Issued**	02. June 2021
MA#	MA001704974		
Package	PG-SOT223-3-1	**Weight***	116.27 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	1.272	1.09	1.09	10937	10937
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		135	
	non noble metal	iron	7439-89-6	0.052	0.04		450	
	non noble metal	copper	7440-50-8	52.304	44.99	45.04	449865	450450
wire	non noble metal	copper	7440-50-8	0.102	0.09	0.09	880	880
encapsulation	organic material	carbon black	1333-86-4	0.178	0.15		1530	
	plastics	epoxy resin	-	6.939	5.97		59679	
	inorganic material	silicondioxide	60676-86-0	52.188	44.89	51.01	448870	510079
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11630	11630
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1897	1897
solder	non noble metal	tin	7440-31-5	0.033	0.03		283	
	noble metal	silver	7440-22-4	0.041	0.04		353	
	non noble metal	lead	7439-92-1	1.569	1.35	1.42	13491	14127
*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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