Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPN60R1K5PFD7S	**Issued**	23. June 2021
MA#	MA005537501		
Package	PG-SOT223-3-1	**Weight***	116.16 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	0.977	0.84	0.84	8406	8406
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	45.03	45.09	450263	450849
wire	non noble metal	copper	7440-50-8	0.259	0.22	0.22	2227	2227
encapsulation	organic material	carbon black	1333-86-4	0.179	0.15		1538	
	plastics	epoxy resin	-	6.969	6.00		59994	
	inorganic material	silicondioxide	60676-86-0	52.417	45.13	51.28	451238	512770
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11640	11640
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1898	1898
solder	non noble metal	tin	7440-31-5	0.028	0.02		244	
	noble metal	silver	7440-22-4	0.035	0.03		305	
	non noble metal	lead	7439-92-1	1.355	1.17	1.22	11661	12210
*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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