



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPN70R1K2P7S	Issued	14. July 2021
MA#	MA005406497		
Package	PG-SOT223-3-1	Weight*	116.14 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	0.997	0.86	0.86	8588	8588
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	450342	450928
wire	non noble metal	copper	7440-50-8	0.213	0.18	0.18	1835	1835
encapsulation	organic material	carbon black	1333-86-4	0.179	0.15		1538	
	plastics	epoxy resin	-	6.968	6.00		59994	
	inorganic material	silicondioxide	60676-86-0	52.408	45.14	51.29	451239	512771
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11642	11642
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1899	1899
solder	non noble metal	tin	7440-31-5	0.029	0.02		247	
	noble metal	silver	7440-22-4	0.036	0.03		308	
	non noble metal	lead	7439-92-1	1.368	1.18	1.23	11782	12337
*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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