



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPN80R1K4P7	Issued	08. February 2022
MA#	MA005621189		
Package	PG-SOT223-3-1	Weight*	116.50 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	1.500	1.29	1.29	12871	12871
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	44.91	44.96	448954	449539
wire	non noble metal	copper	7440-50-8	0.151	0.13	0.13	1298	1298
encapsulation	organic material	carbon black	1333-86-4	0.177	0.15		1521	
	plastics	epoxy resin	-	6.911	5.93		59317	
	inorganic material	silicondioxide	60676-86-0	51.977	44.61	50.69	446149	506987
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11606	11606
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1893	1893
solder	non noble metal	tin	7440-31-5	0.037	0.03		316	
	noble metal	silver	7440-22-4	0.046	0.04		395	
	non noble metal	lead	7439-92-1	1.759	1.51	1.58	15095	15806
*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