

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPS80R1K4P7	**Issued**	27. April 2022
MA#	MA005726126		
Package	PG-TO251-3-22	**Weight***	331.29 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	0.45	0.45	4526	4526
leadframe	inorganic material	phosphorus	7723-14-0	0.055	0.02		165	
	non noble metal	iron	7439-89-6	0.182	0.06		551	
	non noble metal	copper	7440-50-8	182.180	54.98	55.06	549919	550635
wire	non noble metal	aluminium	7429-90-5	0.617	0.19	0.19	1863	1863
encapsulation	organic material	carbon black	1333-86-4	0.421	0.13		1272	
	plastics	epoxy resin	-	16.437	4.96		49617	
	inorganic material	silicondioxide	60676-86-0	123.631	37.32	42.41	373187	424076
leadfinish	non noble metal	tin	7440-31-5	4.433	1.34	1.34	13381	13381
solder	non noble metal	tin	7440-31-5	0.037	0.01		110	
	noble metal	silver	7440-22-4	0.046	0.01		138	
	non noble metal	lead	7439-92-1	1.746	0.53	0.55	5271	5519
*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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