

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPS80R1K2P7	**Issued**	11. May 2021
MA#	MA001662416		
Package	PG-TO251-3-344	**Weight***	334.38 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	1.666	0.50	0.50	4982	4982
leadframe	inorganic material	phosphorus	7723-14-0	0.046	0.01		138	
	non noble metal	iron	7439-89-6	0.154	0.05		462	
	non noble metal	copper	7440-50-8	154.154	46.11	46.17	461016	461616
wire	non noble metal	aluminium	7429-90-5	0.478	0.14	0.14	1429	1429
encapsulation	organic material	carbon black	1333-86-4	0.445	0.13		1331	
	plastics	epoxy resin	-	13.496	4.04		40360	
	inorganic material	silicondioxide	60676-86-0	134.363	40.18	44.35	401830	443521
leadfinish	non noble metal	tin	7440-31-5	4.142	1.24	1.24	12387	12387
plating	non noble metal	nickel	7440-02-0	0.607	0.18	0.18	1815	1815
solder	non noble metal	tin	7440-31-5	0.039	0.01		115	
	noble metal	silver	7440-22-4	0.048	0.01		144	
	non noble metal	lead	7439-92-1	1.844	0.55	0.57	5515	5774
heatspreader	inorganic material	phosphorus	7723-14-0	0.007			21	
	non noble metal	iron	7439-89-6	0.023	0.01		68	
	non noble metal	copper	7440-50-8	22.867	6.84	6.85	68387	68476
*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