

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPS80R2K0P7	**Issued**	27. April 2022
MA#	MA005729874		
Package	PG-TO251-3-344	**Weight***	334.70 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	1.085	0.32	0.32	3243	3243
leadframe	inorganic material	phosphorus	7723-14-0	0.053	0.02		159	
	non noble metal	iron	7439-89-6	0.177	0.05		530	
	non noble metal	copper	7440-50-8	177.021	52.89	52.96	528901	529590
wire	non noble metal	aluminium	7429-90-5	0.179	0.05	0.05	535	535
encapsulation	organic material	carbon black	1333-86-4	0.450	0.13		1344	
	plastics	epoxy resin	-	13.644	4.08		40764	
	inorganic material	silicondioxide	60676-86-0	135.837	40.59	44.80	405852	447960
leadfinish	non noble metal	tin	7440-31-5	4.142	1.24	1.24	12376	12376
plating	non noble metal	nickel	7440-02-0	0.607	0.18	0.18	1813	1813
solder	non noble metal	tin	7440-31-5	0.030	0.01		90	
	noble metal	silver	7440-22-4	0.038	0.01		112	
	non noble metal	lead	7439-92-1	1.433	0.43	0.45	4281	4483
*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