

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPS80R2K0P7	**Issued**	03. April 2021
MA#	MA001662826		
Package	PG-TO251-3-344	**Weight***	333.92 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	0.33	0.33	3251	3251
leadframe	inorganic material	phosphorus	7723-14-0	0.046	0.01		139	
	non noble metal	iron	7439-89-6	0.154	0.05		462	
	non noble metal	copper	7440-50-8	154.154	46.16	46.22	461651	462252
wire	non noble metal	aluminium	7429-90-5	0.152	0.05	0.05	456	456
encapsulation	organic material	carbon black	1333-86-4	0.448	0.13		1340	
	plastics	epoxy resin	-	13.577	4.07		40659	
	inorganic material	silicondioxide	60676-86-0	135.171	40.48	44.68	404802	446801
leadfinish	non noble metal	tin	7440-31-5	4.142	1.24	1.24	12404	12404
plating	non noble metal	nickel	7440-02-0	0.607	0.18	0.18	1817	1817
solder	non noble metal	tin	7440-31-5	0.030	0.01		89	
	noble metal	silver	7440-22-4	0.037	0.01		111	
	non noble metal	lead	7439-92-1	1.419	0.42	0.44	4248	4448
heatspreader	inorganic material	phosphorus	7723-14-0	0.007			21	
	non noble metal	iron	7439-89-6	0.023	0.01		69	
	non noble metal	copper	7440-50-8	22.867	6.85	6.86	68481	68571
*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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