

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPS80R2K4P7	**Issued**	17. February 2022
MA#	MA005619679		
Package	PG-TO251-3-344	**Weight***	334.63 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	1.008	0.30	0.30	3011	3011
leadframe	inorganic material	phosphorus	7723-14-0	0.046	0.01		138	
	non noble metal	iron	7439-89-6	0.154	0.05		461	
	non noble metal	copper	7440-50-8	154.154	46.08	46.14	460666	461265
wire	non noble metal	aluminium	7429-90-5	0.178	0.05	0.05	532	532
encapsulation	organic material	carbon black	1333-86-4	0.450	0.13		1345	
	plastics	epoxy resin	-	13.651	4.08		40794	
	inorganic material	silicondioxide	60676-86-0	135.910	40.61	44.82	406145	448284
leadfinish	non noble metal	tin	7440-31-5	4.142	1.24	1.24	12378	12378
plating	non noble metal	nickel	7440-02-0	0.607	0.18	0.18	1813	1813
solder	non noble metal	tin	7440-31-5	0.029	0.01		86	
	noble metal	silver	7440-22-4	0.036	0.01		107	
	non noble metal	lead	7439-92-1	1.372	0.41	0.43	4101	4294
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	6.83	6.84	68334	68423
*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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