

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPS80R2K4P7	**Issued**	27. April 2022
MA#	MA005740808		
Package	PG-TO251-3-22	**Weight***	330.79 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	3046	3046
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	55.07	55.15	550751	551467
wire	non noble metal	aluminium	7429-90-5	0.196	0.06	0.06	593	593
encapsulation	organic material	carbon black	1333-86-4	0.424	0.13		1281	
	plastics	epoxy resin	-	16.531	5.00		49976	
	inorganic material	silicondioxide	60676-86-0	124.339	37.59	42.72	375890	427147
leadfinish	non noble metal	tin	7440-31-5	4.433	1.34	1.34	13402	13402
solder	non noble metal	tin	7440-31-5	0.029	0.01		87	
	noble metal	silver	7440-22-4	0.036	0.01		109	
	non noble metal	lead	7439-92-1	1.372	0.41	0.43	4149	4345
*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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