

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPS60R1K0PFD7S	**Issued**	14. May 2021
MA#	MA003568518		
Package	PG-TO251-3-346	**Weight***	384.57 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	1.225	0.32	0.32	3186	3186
leadframe	inorganic material	phosphorus	7723-14-0	0.063	0.02		163	
	non noble metal	iron	7439-89-6	0.209	0.05		542	
	non noble metal	copper	7440-50-8	208.238	54.15	54.22	541476	542181
wire	non noble metal	aluminium	7429-90-5	0.425	0.11	0.11	1104	1104
encapsulation	organic material	carbon black	1333-86-4	0.704	0.18		1831	
	plastics	epoxy resin	-	19.013	4.94		49440	
	inorganic material	silicondioxide	60676-86-0	121.123	31.50	36.62	314953	366224
leadfinish	non noble metal	tin	7440-31-5	7.055	1.83	1.83	18344	18344
solder	non noble metal	tin	7440-31-5	0.032	0.01		84	
	noble metal	silver	7440-22-4	0.040	0.01		105	
	non noble metal	lead	7439-92-1	1.537	0.40	0.42	3996	4185
heatspreader	inorganic material	phosphorus	7723-14-0	0.007			19	
	non noble metal	iron	7439-89-6	0.025	0.01		65	
	non noble metal	copper	7440-50-8	24.879	6.47	6.48	64692	64776
*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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