

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPS60R210PFD7S	**Issued**	12. April 2021
MA#	MA005401956		
Package	PG-TO251-3-346	**Weight***	386.76 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	3.709	0.96	0.96	9591	9591
leadframe	inorganic material	phosphorus	7723-14-0	0.063	0.02		162	
	non noble metal	iron	7439-89-6	0.209	0.05		539	
	non noble metal	copper	7440-50-8	208.238	53.84	53.91	538414	539115
wire	non noble metal	aluminium	7429-90-5	2.009	0.52	0.52	5194	5194
encapsulation	organic material	carbon black	1333-86-4	0.687	0.18		1775	
	plastics	epoxy resin	-	18.536	4.79		47927	
	inorganic material	silicondioxide	60676-86-0	118.083	30.53	35.50	305312	355014
leadfinish	non noble metal	tin	7440-31-5	7.055	1.82	1.82	18240	18240
solder	non noble metal	tin	7440-31-5	0.065	0.02		169	
	noble metal	silver	7440-22-4	0.082	0.02		211	
	non noble metal	lead	7439-92-1	3.116	0.81	0.85	8057	8437
heatspreader	inorganic material	phosphorus	7723-14-0	0.007			19	
	non noble metal	iron	7439-89-6	0.025	0.01		64	
	non noble metal	copper	7440-50-8	24.879	6.43	6.44	64326	64409
*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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