

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPS60R280PFD7S	**Issued**	11. April 2021
MA#	MA005354622		
Package	PG-TO251-3-346	**Weight***	386.45 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	2.932	0.76	0.76	7587	7587
leadframe	inorganic material	phosphorus	7723-14-0	0.063	0.02		162	
	non noble metal	iron	7439-89-6	0.209	0.05		540	
	non noble metal	copper	7440-50-8	208.238	53.88	53.95	538854	539556
wire	non noble metal	aluminium	7429-90-5	2.737	0.71	0.71	7082	7082
encapsulation	organic material	carbon black	1333-86-4	0.688	0.18		1779	
	plastics	epoxy resin	-	18.565	4.80		48041	
	inorganic material	silicondioxide	60676-86-0	118.267	30.60	35.58	306039	355859
leadfinish	non noble metal	tin	7440-31-5	7.055	1.83	1.83	18255	18255
solder	non noble metal	tin	7440-31-5	0.056	0.01		144	
	noble metal	silver	7440-22-4	0.070	0.02		180	
	non noble metal	lead	7439-92-1	2.657	0.69	0.72	6875	7199
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	6.44	6.45	64379	64462
*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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