

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD60R280P7	**Issued**	12. December 2019
MA#	MA005410708		
Package	PG-TO252-3-341	**Weight***	388.55 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	3.030	0.78	0.78	7798	7798
leadframe	inorganic material	phosphorus	7723-14-0	0.069	0.02		177	
	non noble metal	iron	7439-89-6	0.229	0.06		590	
	non noble metal	copper	7440-50-8	228.946	58.93	59.01	589240	590007
wire	non noble metal	aluminium	7429-90-5	0.404	0.10	0.10	1039	1039
encapsulation	organic material	carbon black	1333-86-4	0.389	0.10		1001	
	plastics	epoxy resin	-	11.793	3.04		30350	
	inorganic material	silicondioxide	60676-86-0	117.407	30.22	33.36	302171	333522
leadfinish	non noble metal	tin	7440-31-5	3.740	0.96	0.96	9626	9626
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1310	1310
solder	non noble metal	tin	7440-31-5	0.057	0.01		146	
	noble metal	silver	7440-22-4	0.071	0.02		182	
	non noble metal	lead	7439-92-1	2.700	0.69	0.72	6949	7277
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		15	
	non noble metal	iron	7439-89-6	0.019	0.00		49	
	non noble metal	copper	7440-50-8	19.177	4.94	4.94	49357	49421
*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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