

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IHW15N120R3	**Issued**	16. January 2020
MA#	MA005413543		
Package	PG-TO247-3-48	**Weight***	5964.44 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	4.172	0.07	0.07	700	700
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		27	
	non noble metal	iron	7439-89-6	0.530	0.01		89	
	non noble metal	copper	7440-50-8	529.068	8.87	8.88	88704	88820
wire	non noble metal	aluminium	7429-90-5	5.920	0.10	0.10	993	993
encapsulation	organic material	carbon black	1333-86-4	9.594	0.16		1609	
	plastics	epoxy resin	-	383.757	6.43		64341	
	inorganic material	silicondioxide	60676-86-0	1525.434	25.58	32.17	255754	321704
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5344	5344
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4873	4873
solder	non noble metal	antimony	7440-36-0	0.239	0.00		40	
	noble metal	silver	7440-22-4	0.597	0.01		100	
	non noble metal	tin	7440-31-5	1.552	0.03	0.04	260	400
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		173	
	non noble metal	iron	7439-89-6	3.442	0.06		577	
	non noble metal	copper	7440-50-8	3438.006	57.64	57.72	576416	577166
*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.
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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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