

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IHW15N120E1	**Issued**	16. January 2020
MA#	MA005413544		
Package	PG-TO247-3-48	**Weight***	5963.68 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	2.856	0.05	0.05	479	479
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	88715	88831
wire	non noble metal	aluminium	7429-90-5	5.851	0.10	0.10	981	981
encapsulation	organic material	carbon black	1333-86-4	9.600	0.16		1610	
	plastics	epoxy resin	-	384.003	6.44		64390	
	inorganic material	silicondioxide	60676-86-0	1526.412	25.60	32.20	255951	321951
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5345	5345
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4874	4874
solder	non noble metal	antimony	7440-36-0	0.178	0.00		30	
	noble metal	silver	7440-22-4	0.445	0.01		75	
	non noble metal	tin	7440-31-5	1.157	0.02	0.03	194	299
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	576490	577240
*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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