



Material Content Data Sheet



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:

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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 does not use any exemption

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com