



Material Content Data Sheet



Sales Product Name		IHW25N120E1		Issued		1. August 2018		
MA#		MA001465840						
Package		PG-TO247-3-41		Weight*		6047.21 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	4.202	0.07	0.07	695	695
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87490	87604
	non noble metal	aluminium	7429-90-5	8.507	0.14	0.14	1407	1407
wire	non noble metal	aluminium	7429-90-5	8.507	0.14	0.14	1407	1407
encapsulation	organic material	carbon black	1333-86-4	19.988	0.33		3305	
	plastics	epoxy resin	-	379.781	6.28		62803	
	inorganic material	silicondioxide	60676-86-0	1599.077	26.44	33.05	264432	330540
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.248	0.00		41	
	noble metal	silver	7440-22-4	0.620	0.01		102	
	non noble metal	tin	7440-31-5	1.611	0.03	0.04	266	409
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.85	56.93	568528	569268
*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