

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IHW20N120R5	**Issued**	31. January 2019
MA#	MA003062098		
Package	PG-TO247-3-44	**Weight***	5952.46 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	4.384	0.07	0.07	737	737
leadframe	inorganic material	phosphorus	7723-14-0	1.192	0.02		200	
	non noble metal	iron	7439-89-6	3.972	0.07		667	
	non noble metal	copper	7440-50-8	3967.074	66.64	66.73	666459	667326
wire	non noble metal	aluminium	7429-90-5	4.093	0.07	0.07	688	688
encapsulation	organic material	carbon black	1333-86-4	9.541	0.16		1603	
	plastics	epoxy resin	-	381.647	6.41		64116	
	inorganic material	silicondioxide	60676-86-0	1517.047	25.49	32.06	254860	320579
leadfinish	non noble metal	tin	7440-31-5	31.874	0.54	0.54	5355	5355
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4883	4883
solder	non noble metal	antimony	7440-36-0	0.257	0.00		43	
	noble metal	silver	7440-22-4	0.643	0.01		108	
	non noble metal	tin	7440-31-5	1.672	0.03	0.04	281	432
*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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