



Material Content Data Sheet



Halogen-Free

Sales Product Name	IHW40N120R5	Issued	12. August 2021
MA#	MA005621426		
Package	PG-TO247-3-44	Weight*	2525.16 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	7.107	0.28	0.28	2814	2814
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.01		63	
	non noble metal	iron	7439-89-6	0.530	0.02		210	
	non noble metal	copper	7440-50-8	529.068	20.95	20.98	209519	209792
wire	non noble metal	aluminium	7429-90-5	10.304	0.41	0.41	4081	4081
encapsulation	organic material	carbon black	1333-86-4	9.566	0.38		3788	
	plastics	epoxy resin	-	382.623	15.15		151524	
	inorganic material	silicondioxide	60676-86-0	1,520.926	60.23	75.76	602308	757620
leadfinish	non noble metal	tin	7440-31-5	31.874	1.26	1.26	12623	12623
plating	non noble metal	nickel	7440-02-0	29.065	1.15	1.15	11510	11510
solder	non noble metal	antimony	7440-36-0	0.394	0.02		156	
	noble metal	silver	7440-22-4	0.984	0.04		390	
	non noble metal	tin	7440-31-5	2.559	0.10	0.16	1014	1560
*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.

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