

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW40N120T2	**Issued**	4. July 2019
MA#	MA003883316		
Package	PG-TO247-3-44	**Weight***	5963.20 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	6.785	0.11	0.11	1138	1138
chip_2	inorganic material	silicon	7440-21-3	12.542	0.21	0.21	2103	2103
leadframe	inorganic material	phosphorus	7723-14-0	1.192	0.02		200	
	non noble metal	iron	7439-89-6	3.972	0.07		666	
	non noble metal	copper	7440-50-8	3967.074	66.51	66.60	665259	666125
wire	non noble metal	aluminium	7429-90-5	17.026	0.29	0.29	2855	2855
encapsulation	organic material	carbon black	1333-86-4	9.420	0.16		1580	
	plastics	epoxy resin	-	376.781	6.32		63184	
	inorganic material	silicondioxide	60676-86-0	1497.705	25.12	31.60	251158	315922
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	0.977	0.02		164	
	noble metal	silver	7440-22-4	2.442	0.04		409	
	non noble metal	tin	7440-31-5	6.348	0.11	0.17	1065	1638
*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