



Material Content Data Sheet



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	
	non noble metal	aluminium	7429-90-5	17.026	0.29	0.29	2855	2855	
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