



Material Content Data Sheet



Sales Product Name		IKA10N60T		Issued		4. July 2019		
MA#		MA005342020						
Package		PG-TO220-3-313		Weight*		2208.51 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	0.641	0.03	0.03	290	290
chip_2	inorganic material	silicon	7440-21-3	1.169	0.05	0.05	530	530
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.85	40.90	408486	409018
	non noble metal	aluminium	7429-90-5	3.200	0.14	0.14	1449	1449
wire	organic material	carbon black	1333-86-4	2.295	0.10		1039	
	plastics	epoxy resin	-	215.160	9.74		97423	
encapsulation	inorganic material	silicondioxide	60676-86-0	926.638	41.96	51.80	419574	518036
	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3567	3567
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.149	0.01		68	
	noble metal	silver	7440-22-4	0.373	0.02		169	
	non noble metal	tin	7440-31-5	0.970	0.04	0.07	439	676
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65598	65684
*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