



Material Content Data Sheet



Sales Product Name		IKA10N60T		Issued		4. July 2019		
MA#		MA001661114						
Package		PG-TO220-3-313		Weight*		2208.52 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	408485	409017
	non noble metal	aluminium	7429-90-5	3.134	0.14	0.14	1419	1419
wire	non noble metal	aluminium	7429-90-5	3.134	0.14	0.14	1419	1419
encapsulation	organic material	carbon black	1333-86-4	2.295	0.10		1039	
	plastics	epoxy resin	-	215.173	9.74		97428	
	inorganic material	silicondioxide	60676-86-0	926.695	41.96	51.80	419600	518067
leadfinish	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
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	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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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