



Material Content Data Sheet



Sales Product Name		IKA08N65ET6		Issued		9. January 2019		
MA#		MA001682278						
Package		PG-TO220-3-313		Weight*		2208.75 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	0.366	0.02	0.02	166	166
chip_2	inorganic material	silicon	7440-21-3	0.606	0.03	0.03	274	274
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	40.84	40.89	408444	408976
	non noble metal	aluminium	7429-90-5	1.214	0.06	0.06	550	550
wire	non noble metal	aluminium	7429-90-5	1.214	0.06	0.06	550	550
encapsulation	organic material	carbon black	1333-86-4	2.299	0.10		1041	
	plastics	epoxy resin	-	215.804	9.77		97704	
	inorganic material	silicondioxide	60676-86-0	929.576	42.08	51.95	420862	519607
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3566	3566
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.096	0.00		43	
	noble metal	silver	7440-22-4	0.240	0.01		109	
	non noble metal	tin	7440-31-5	0.624	0.03	0.04	282	434
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	65591	65677
*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

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