



Material Content Data Sheet



Sales Product Name		IKA08N65H5		Issued		29. August 2013		
MA#		MA001030830						
Package		PG-TO220-3-111		Weight*		2239.24 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	0.784	0.04	0.04	350	350
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		307	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	copper	7440-50-8	686.221	30.65	30.69	306454	306853
wire	non noble metal	aluminium	7429-90-5	2.282	0.10	0.10	1019	1019
encapsulation	organic material	carbon black	1333-86-4	2.214	0.10		989	
	plastics	epoxy resin	-	208.161	9.30		92961	
	inorganic material	silicondioxide	60676-86-0	896.862	40.04	49.44	400521	494472
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3547	3547
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	136
solder	non noble metal	antimony	7440-36-0	0.090	0.00		40	
	noble metal	silver	7440-22-4	0.224	0.01		100	
	non noble metal	tin	7440-31-5	0.582	0.03	0.04	260	400
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	iron	7439-89-6	0.433	0.02		193	
	non noble metal	copper	7440-50-8	432.110	19.30	19.33	192972	193223
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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