



Material Content Data Sheet



Sales Product Name		IKW50N65H5		Issued		29. August 2013		
MA#		MA001030850						
Package		PG-TO247-3-44		Weight*		6047.58 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	2.805	0.05	0.05	464	464
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87484	87598
wire	non noble metal	aluminium	7429-90-5	11.240	0.19	0.19	1859	1859
encapsulation	organic material	carbon black	1333-86-4	19.975	0.33		3303	
	plastics	epoxy resin	-	379.522	6.28		62756	
	inorganic material	silicondioxide	60676-86-0	1597.987	26.42	33.03	264236	330295
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.287	0.00		47	
	noble metal	silver	7440-22-4	0.717	0.01		119	
	non noble metal	tin	7440-31-5	1.865	0.03	0.04	308	474
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.84	56.92	568493	569233
*deviation	< 10%				Sum in total:	100,00		1000000

Important Remarks:

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