



Material Content Data Sheet



Sales Product Name		IKW40N65F5		Issued		27. March 2015		
MA#		MA000974016						
Package		PG-TO247-3-44		Weight*		6046.22 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	1.469	0.02	0.02	243	243
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	87504	87618
wire	non noble metal	aluminium	7429-90-5	11.334	0.19	0.19	1875	1875
encapsulation	organic material	carbon black	1333-86-4	19.989	0.33		3306	
	plastics	epoxy resin	-	379.786	6.28		62814	
	inorganic material	silicondioxide	60676-86-0	1599.097	26.45	33.06	264479	330599
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5272	5272
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807
solder	non noble metal	antimony	7440-36-0	0.136	0.00		23	
	noble metal	silver	7440-22-4	0.341	0.01		56	
	non noble metal	tin	7440-31-5	0.886	0.01	0.02	147	226
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	56.86	56.94	568620	569360
*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 2011/65/EU (RoHS) and does not use any exemption.

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