



Material Content Data Sheet



Sales Product Name		IKW40N65H5		Issued		12. August 2019		
MA#		MA003029936						
Package		PG-TO247-3-44		Weight*		6049.92 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	0.742	0.01	0.01	123	123
chip_2	inorganic material	silicon	7440-21-3	2.235	0.04	0.04	369	369
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
wire	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87450	87564
	non noble metal	aluminium	7429-90-5	13.365	0.22	0.22	2209	2209
encapsulation	organic material	carbon black	1333-86-4	19.979	0.33		3302	
	plastics	epoxy resin	-	379.594	6.27		62744	
	inorganic material	silicondioxide	60676-86-0	1598.292	26.42	33.02	264184	330230
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.253	0.00		42	
	noble metal	silver	7440-22-4	0.633	0.01		105	
	non noble metal	tin	7440-31-5	1.646	0.03	0.04	272	419
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.83	56.91	568273	569013
*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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