



Material Content Data Sheet



Sales Product Name		IKW40N65ES5		Issued		25. January 2018		
MA#		MA001319752						
Package		PG-TO247-3-41		Weight*		6049.36 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	4.004	0.07	0.07	662	662
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	87459	87573
wire	non noble metal	aluminium	7429-90-5	15.306	0.25	0.25	2530	2530
encapsulation	organic material	carbon black	1333-86-4	19.928	0.33		3294	
	plastics	epoxy resin	-	378.629	6.26		62590	
	inorganic material	silicondioxide	60676-86-0	1594.229	26.35	32.94	263537	329421
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5335	5335
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4865	4865
solder	non noble metal	antimony	7440-36-0	0.332	0.01		55	
	noble metal	silver	7440-22-4	0.830	0.01		137	
	non noble metal	tin	7440-31-5	2.158	0.04	0.06	357	549
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	56.82	56.90	568325	569065
*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 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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