



Material Content Data Sheet



Sales Product Name		IKW50N65ES5		Issued		1. August 2018		
MA#		MA002262354						
Package		PG-TO247-3-44		Weight*		6049.39 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	2.667	0.04	0.04	441	441
chip_2	inorganic material	silicon	7440-21-3	2.181	0.04	0.04	361	361
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87458	87572
	non noble metal	aluminium	7429-90-5	16.765	0.28	0.28	2771	2771
wire	organic material	carbon black	1333-86-4	19.906	0.33		3291	
	plastics	epoxy resin	-	378.222	6.25		62522	
encapsulation	inorganic material	silicondioxide	60676-86-0	1592.514	26.33	32.91	263252	329065
	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	4805	4805
solder	non noble metal	antimony	7440-36-0	0.396	0.01		65	
	noble metal	silver	7440-22-4	0.990	0.02		164	
	non noble metal	tin	7440-31-5	2.574	0.04	0.07	425	654
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.81	56.89	568322	569062
*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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