



Material Content Data Sheet



Sales Product Name		IKW50N65EH5		Issued		24. January 2018		
MA#		MA001366850						
Package		PG-TO247-3-44		Weight*		6049.34 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	4.698	0.08	0.08	777	777
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	87459	87573
	non noble metal	aluminium	7429-90-5	16.695	0.28	0.28	2760	2760
wire	non noble metal	aluminium	7429-90-5	16.695	0.28	0.28	2760	2760
encapsulation	organic material	carbon black	1333-86-4	19.908	0.33		3291	
	plastics	epoxy resin	-	378.259	6.25		62529	
	inorganic material	silicondioxide	60676-86-0	1592.668	26.33	32.91	263280	329100
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	4805	4805
solder	non noble metal	antimony	7440-36-0	0.393	0.01		65	
	noble metal	silver	7440-22-4	0.983	0.02		162	
	non noble metal	tin	7440-31-5	2.555	0.04	0.07	422	649
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	56.81	56.89	568327	569067
*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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