



Material Content Data Sheet



Sales Product Name		IKW40N60H3		Issued		27. September 2017		
MA#		MA001222204						
Package		PG-TO247-3-44		Weight*		6065.28 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	4.917	0.08	0.08	811	811
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.72	8.73	87229	87342
wire	non noble metal	aluminium	7429-90-5	157.061	2.59	2.59	25895	25895
encapsulation	organic material	carbon black	1333-86-4	18.665	0.31		3077	
	plastics	epoxy resin	-	354.644	5.85		58471	
	inorganic material	silicondioxide	60676-86-0	1493.237	24.62	30.78	246194	307742
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5255	5255
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4792	4792
solder	non noble metal	antimony	7440-36-0	0.358	0.01		59	
	noble metal	silver	7440-22-4	0.896	0.01		148	
	non noble metal	tin	7440-31-5	2.329	0.04	0.06	384	591
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.67	56.75	566834	567572
*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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