



Material Content Data Sheet



Sales Product Name				IKW50N60H3		Issued		20. July 2018	
MA#				MA001636006					
Package				PG-TO247-3-44		Weight*		6050.29 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	7.004	0.12	0.12	1158	1158	
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	8.74	8.75	87445	87559	
wire	non noble metal	aluminium	7429-90-5	14.699	0.24	0.24	2430	2430	
encapsulation	organic material	carbon black	1333-86-4	19.904	0.33		3290		
	plastics	epoxy resin	-	378.185	6.25		62507		
	inorganic material	silicondioxide	60676-86-0	1592.359	26.32	32.90	263187	328984	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5268	5268	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804	
solder	non noble metal	antimony	7440-36-0	0.496	0.01		82		
	noble metal	silver	7440-22-4	1.240	0.02		205		
	non noble metal	tin	7440-31-5	3.223	0.05	0.08	533	820	
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	568237	568977	
*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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