



Material Content Data Sheet



Sales Product Name		IKW40N60H3		Issued		20. July 2018		
MA#		MA001065246						
Package		PG-TO247-3-41		Weight*		6065.13 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	87231	87344
wire	non noble metal	aluminium	7429-90-5	155.715	2.57	2.57	25674	25674
encapsulation	organic material	carbon black	1333-86-4	18.677	0.31		3079	
	plastics	epoxy resin	-	354.870	5.85		58510	
	inorganic material	silicondioxide	60676-86-0	1494.189	24.64	30.80	246358	307947
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	566848	567586
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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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