



Material Content Data Sheet



Sales Product Name		IKW40N120T2		Issued		26. September 2017		
MA#		MA000604268						
Package		PG-TO247-3-41		Weight*		6073.32 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	19.327	0.32	0.32	3182	3182
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	8.71	8.72	87114	87227
wire	non noble metal	aluminium	7429-90-5	157.772	2.60	2.60	25978	25978
encapsulation	organic material	carbon black	1333-86-4	18.525	0.30		3050	
	plastics	epoxy resin	-	351.979	5.80		57955	
	inorganic material	silicondioxide	60676-86-0	1482.016	24.40	30.50	244021	305026
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5314	5314
plating	non noble metal	nickel	7440-02-0	29.428	0.48	0.48	4845	4845
solder	non noble metal	antimony	7440-36-0	0.977	0.02		161	
	noble metal	silver	7440-22-4	2.442	0.04		402	
	non noble metal	tin	7440-31-5	6.348	0.10	0.16	1045	1608
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		567	
	non noble metal	copper	7440-50-8	3438.006	56.61	56.69	566083	566820
*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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