



Material Content Data Sheet



Sales Product Name		IKW40N120T2		Issued		19. July 2018		
MA#		MA001170842						
Package		PG-TO247-3-44		Weight*		6056.11 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	3191	3191
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	8.74	8.75	87361	87474
wire	non noble metal	aluminium	7429-90-5	14.963	0.25	0.25	2471	2471
encapsulation	organic material	carbon black	1333-86-4	19.789	0.33		3268	
	plastics	epoxy resin	-	375.987	6.21		62084	
	inorganic material	silicondioxide	60676-86-0	1583.102	26.14	32.68	261406	326758
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5263	5263
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4799	4799
solder	non noble metal	antimony	7440-36-0	0.977	0.02		161	
	noble metal	silver	7440-22-4	2.442	0.04		403	
	non noble metal	tin	7440-31-5	6.348	0.10	0.16	1048	1612
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.75	56.83	567693	568432
*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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