



Material Content Data Sheet



Sales Product Name		IKW40N120H3		Issued		25. January 2018		
MA#		MA001242756						
Package		PG-TO247-3-44		Weight*		6054.06 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	15.596	0.26	0.26	2576	2576
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	87391	87504
wire	non noble metal	aluminium	7429-90-5	14.659	0.24	0.24	2421	2421
encapsulation	organic material	carbon black	1333-86-4	19.827	0.33		3275	
	plastics	epoxy resin	-	376.706	6.22		62224	
	inorganic material	silicondioxide	60676-86-0	1586.132	26.20	32.75	261995	327494
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5265	5265
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4801	4801
solder	non noble metal	antimony	7440-36-0	0.796	0.01		131	
	noble metal	silver	7440-22-4	1.989	0.03		329	
	non noble metal	tin	7440-31-5	5.172	0.09	0.13	854	1314
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	56.78	56.86	567885	568625
*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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