



Material Content Data Sheet



Sales Product Name		IKW15N120H3		Issued		22. January 2018		
MA#		MA001242638						
Package		PG-TO247-3-44		Weight*		6048.80 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	7.040	0.12	0.12	1164	1164
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	8.75	8.76	87467	87581
wire	non noble metal	aluminium	7429-90-5	7.719	0.13	0.13	1276	1276
encapsulation	organic material	carbon black	1333-86-4	19.968	0.33		3301	
	plastics	epoxy resin	-	379.396	6.27		62722	
	inorganic material	silicondioxide	60676-86-0	1597.457	26.41	33.01	264095	330118
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.404	0.01		67	
	noble metal	silver	7440-22-4	1.010	0.02		167	
	non noble metal	tin	7440-31-5	2.625	0.04	0.07	434	668
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	568378	569118
*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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