



Material Content Data Sheet



Sales Product Name		IKW40N120T2		Issued		27. September 2017		
MA#		MA000992406						
Package		PG-TO247-3-41		Weight*		6072.68 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	3183	3183
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	87123	87236
wire	non noble metal	aluminium	7429-90-5	158.792	2.61	2.61	26149	26149
encapsulation	organic material	carbon black	1333-86-4	18.516	0.30		3049	
	plastics	epoxy resin	-	351.807	5.79		57933	
	inorganic material	silicondioxide	60676-86-0	1481.295	24.39	30.48	243927	304909
leadfinish	non noble metal	tin	7440-31-5	31.874	0.52	0.52	5249	5249
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4786	4786
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	non noble metal	iron	7439-89-6	3.442	0.06		567	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.63	56.71	566143	566880
*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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