



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW25N120T2		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA000604270						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6071.71 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	13.370	0.22	0.22	2202	2202
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	87137	87250
wire	non noble metal	aluminium	7429-90-5	170.769	2.81	2.81	28125	28125
encapsulation	organic material	carbon black	1333-86-4	18.466	0.30		3041	
	plastics	epoxy resin	-	350.855	5.78		57785	
	inorganic material	silicondioxide	60676-86-0	1477.283	24.33	30.41	243306	304132
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5315	5315
plating	non noble metal	nickel	7440-02-0	29.428	0.48	0.48	4847	4847
solder	non noble metal	antimony	7440-36-0	0.703	0.01		116	
	noble metal	silver	7440-22-4	1.757	0.03		289	
	non noble metal	tin	7440-31-5	4.569	0.08	0.12	753	1158
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	56.63	56.71	566234	566971
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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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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