



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW40N120T2		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA000992406						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		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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