



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW25N120T2		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA001170598						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6053.15 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	2209	2209
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	8.74	8.75	87404	87518
wire	non noble metal	aluminium	7429-90-5	16.249	0.27	0.27	2684	2684
encapsulation	organic material	carbon black	1333-86-4	19.833	0.33		3277	
	plastics	epoxy resin	-	376.831	6.23		62254	
	inorganic material	silicondioxide	60676-86-0	1586.658	26.21	32.77	262121	327652
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.703	0.01		116	
	noble metal	silver	7440-22-4	1.757	0.03		290	
	non noble metal	tin	7440-31-5	4.569	0.08	0.12	755	1161
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	567968	568708
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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