



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW40N120H3		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001242756						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6054.06 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	15.596	0.26	0.26	2576	2576
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	8.74	8.75	87391	87504
wire	non noble metal	aluminium	7429-90-5	14.659	0.24	0.24	2421	2421
encapsulation	organic material	carbon black	1333-86-4	19.827	0.33		3275	
	plastics	epoxy resin	-	376.706	6.22		62224	
	inorganic material	silicondioxide	60676-86-0	1586.132	26.20	32.75	261995	327494
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5265	5265
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4801	4801
solder	non noble metal	antimony	7440-36-0	0.796	0.01		131	
	noble metal	silver	7440-22-4	1.989	0.03		329	
	non noble metal	tin	7440-31-5	5.172	0.09	0.13	854	1314
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	567885	568625
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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