



## Material Content Data Sheet



<b>Sales Product Name</b>				IKW40N60DTP		<b>Issued</b>		22. January 2018	
<b>MA#</b>				MA001393934					
<b>Package</b>				PG-TO247-3-44		<b>Weight*</b>		6064.26 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	3.048	0.05	0.05	503	503	
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	8.72	8.73	87244	87357	
wire	non noble metal	aluminium	7429-90-5	156.027	2.57	2.57	25729	25729	
encapsulation	organic material	carbon black	1333-86-4	18.692	0.31		3082		
	plastics	epoxy resin	-	355.146	5.86		58564		
	inorganic material	silicondioxide	60676-86-0	1495.352	24.66	30.83	246584	308230	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5256	5256	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4793	4793	
solder	non noble metal	antimony	7440-36-0	0.281	0.00		46		
	noble metal	silver	7440-22-4	0.704	0.01		116		
	non noble metal	tin	7440-31-5	1.829	0.03	0.04	302	464	
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568		
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170		
	non noble metal	copper	7440-50-8	3438.006	56.69	56.77	566930	567668	
*deviation	< 10%					Sum in total:	100.00	1000000	

### Important Remarks:

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