



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW30N60T		<b>Issued</b>		1. April 2016		
<b>MA#</b>		MA001067380						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6066.79 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	4.551	0.08	0.08	750	750
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	87207	87320
wire	non noble metal	aluminium	7429-90-5	172.122	2.84	2.84	28371	28371
encapsulation	organic material	carbon black	1333-86-4	18.536	0.31		3055	
	plastics	epoxy resin	-	352.179	5.80		58050	
	inorganic material	silicondioxide	60676-86-0	1482.860	24.44	30.55	244423	305528
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5254	5254
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4791	4791
solder	non noble metal	antimony	7440-36-0	0.337	0.01		55	
	noble metal	silver	7440-22-4	0.841	0.01		139	
	non noble metal	tin	7440-31-5	2.188	0.04	0.06	361	555
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	56.65	56.73	566694	567431
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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