



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW30N60T		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001205152						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6065.48 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	87226	87339
wire	non noble metal	aluminium	7429-90-5	160.731	2.65	2.65	26499	26499
encapsulation	organic material	carbon black	1333-86-4	18.637	0.31		3073	
	plastics	epoxy resin	-	354.094	5.84		58379	
	inorganic material	silicondioxide	60676-86-0	1490.923	24.58	30.73	245805	307257
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5255	5255
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4792	4792
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		568	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.66	56.74	566815	567553
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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