



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW50N60T		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001648962						
<b>Package</b>		PG-TO247-3-21		<b>Weight*</b>		5999.45 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	8.178	0.14	0.14	1363	1363
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.82	8.83	88186	88300
	non noble metal	aluminium	7429-90-5	15.877	0.26	0.26	2646	2646
wire	non noble metal	aluminium	7429-90-5	15.877	0.26	0.26	2646	2646
encapsulation	organic material	carbon black	1333-86-4	21.301	0.36		3551	
	inorganic material	antimonytrioxide	1309-64-4	44.539	0.74		7424	
	plastics	brominated resin	-	50.348	0.84		8392	
	plastics	epoxy resin	-	367.928	6.13		61327	
	inorganic material	silicondioxide	60676-86-0	1452.349	24.21	32.28	242080	322774
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5313	5313
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4845	4845
solder	non noble metal	antimony	7440-36-0	0.576	0.01		96	
	noble metal	silver	7440-22-4	1.439	0.02		240	
	non noble metal	tin	7440-31-5	3.742	0.06	0.09	624	960
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		172	
	non noble metal	iron	7439-89-6	3.442	0.06		574	
	non noble metal	copper	7440-50-8	3438.006	57.31	57.39	573053	573799
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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