



## Material Content Data Sheet



<b>Sales Product Name</b>				IKW40T120		<b>Issued</b>		2. August 2018	
<b>MA#</b>				MA001179718					
<b>Package</b>				PG-TO247-3-44		<b>Weight*</b>		6056.79 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	21.187	0.35	0.35	3498	3498	
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	87351	87464	
wire	non noble metal	aluminium	7429-90-5	14.958	0.25	0.25	2470	2470	
encapsulation	organic material	carbon black	1333-86-4	19.772	0.33		3264		
	plastics	epoxy resin	-	375.675	6.20		62025		
	inorganic material	silicondioxide	60676-86-0	1581.787	26.12	32.65	261160	326449	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5263	5263	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4799	4799	
solder	non noble metal	antimony	7440-36-0	1.023	0.02		169		
	noble metal	silver	7440-22-4	2.557	0.04		422		
	non noble metal	tin	7440-31-5	6.649	0.11	0.17	1098	1689	
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568		
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171		
	non noble metal	copper	7440-50-8	3438.006	56.74	56.82	567629	568368	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

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