



## Material Content Data Sheet



<b>Sales Product Name</b>				AIKW50N65DF5		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA001397030					
<b>Package</b>				PG-TO247-3-41		<b>Weight*</b>		6048.07 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	3.486	0.06	0.06	576	576	
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88		
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26		
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87477	87591	
wire	non noble metal	aluminium	7429-90-5	13.567	0.22	0.22	2243	2243	
encapsulation	organic material	carbon black	1333-86-4	19.948	0.33		3298		
	plastics	epoxy resin	-	379.017	6.27		62668		
	inorganic material	silicondioxide	60676-86-0	1595.863	26.39	32.99	263863	329829	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806	
solder	non noble metal	antimony	7440-36-0	0.301	0.00		50		
	noble metal	silver	7440-22-4	0.753	0.01		124		
	non noble metal	tin	7440-31-5	1.957	0.03	0.04	324	498	
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569		
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171		
	non noble metal	copper	7440-50-8	3438.006	56.84	56.92	568447	569187	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

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