



## Material Content Data Sheet



<b>Sales Product Name</b>		AIKW40N65DH5		<b>Issued</b>		25. January 2018		
<b>MA#</b>		MA001393660						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6047.63 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	3.001	0.05	0.05	496	496
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	87484	87598
wire	non noble metal	aluminium	7429-90-5	13.541	0.22	0.22	2239	2239
encapsulation	organic material	carbon black	1333-86-4	19.954	0.33		3299	
	plastics	epoxy resin	-	379.120	6.27		62689	
	inorganic material	silicondioxide	60676-86-0	1596.293	26.40	33.00	263954	329942
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.254	0.00		42	
	noble metal	silver	7440-22-4	0.636	0.01		105	
	non noble metal	tin	7440-31-5	1.654	0.03	0.04	273	420
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	568488	569228
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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