



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW20N60H3		<b>Issued</b>		22. March 2016		
<b>MA#</b>		MA000765924						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6054.80 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	2.676	0.04	0.04	442	442
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	87380	87493
wire	non noble metal	aluminium	7429-90-5	79.314	1.31	1.31	13099	13099
encapsulation	organic material	carbon black	1333-86-4	19.376	0.32		3200	
	plastics	epoxy resin	-	368.135	6.08		60801	
	inorganic material	silicondioxide	60676-86-0	1550.042	25.60	32.00	256002	320003
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.208	0.00		34	
	noble metal	silver	7440-22-4	0.519	0.01		86	
	non noble metal	tin	7440-31-5	1.351	0.02	0.03	223	343
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.78	56.86	567816	568556
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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