



## Material Content Data Sheet



<b>Sales Product Name</b>				IKFW50N60DH3E		<b>Issued</b>		1. August 2018	
<b>MA#</b>				MA001503568					
<b>Package</b>				PG-HSIP247-3-1		<b>Weight*</b>		5786.42 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip_1	inorganic material	silicon	7440-21-3	0.797	0.01	0.01	138	138	
chip_2	inorganic material	silicon	7440-21-3	0.797	0.01	0.01	138	138	
leadframe	inorganic material	phosphorus	7723-14-0	0.164	0.00		28		
	non noble metal	iron	7439-89-6	0.545	0.01		94		
	non noble metal	copper	7440-50-8	544.561	9.41	9.42	94110	94232	
	non noble metal	aluminium	7429-90-5	7.576	0.13	0.13	1309	1309	
wire	inorganic material	zinc oxide	1314-13-2	0.191	0.00		33		
encapsulation	plastics	silicone resin	-	0.429	0.01		74		
	inorganic material	alumina	1344-28-1	4.149	0.07		717		
	organic material	carbon black	1333-86-4	21.989	0.38		3800		
	plastics	epoxy resin	-	417.800	7.22		72204		
	inorganic material	silicon dioxide	60676-86-0	1759.160	30.40	38.08	304015	380843	
leadfinish	non noble metal	tin	7440-31-5	16.291	0.28	0.28	2815	2815	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.456	0.01	0.01	79	80	
solder	non noble metal	antimony	7440-36-0	0.143	0.00		25		
	noble metal	silver	7440-22-4	0.359	0.01		62		
	non noble metal	tin	7440-31-5	0.932	0.02	0.03	161	248	
heatspreader	inorganic material	phosphorus	7723-14-0	0.903	0.02		156		
	non noble metal	iron	7439-89-6	3.010	0.05		520		
	non noble metal	copper	7440-50-8	3006.169	51.96	52.03	519521	520197	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

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