



## Material Content Data Sheet



<b>Sales Product Name</b>				IKFW60N60DH3E		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA001504246					
<b>Package</b>				PG-HSIP247-3-1		<b>Weight*</b>		5792.58 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	0.970	0.02	0.02	167	167	
chip_2	inorganic material	silicon	7440-21-3	3.815	0.07	0.07	659	659	
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	9.40	9.41	94010	94132	
	non noble metal	aluminium	7429-90-5	12.254	0.21	0.21	2115	2115	
wire	inorganic material	zinc oxide	1314-13-2	0.576	0.01		99		
encapsulation	plastics	silicone resin	-	1.296	0.02		224		
	inorganic material	alumina	1344-28-1	12.526	0.22		2162		
	organic material	carbon black	1333-86-4	21.855	0.38		3773		
	plastics	epoxy resin	-	415.245	7.17		71686		
	inorganic material	silicon dioxide	60676-86-0	1748.401	30.18	37.98	301835	379779	
leadfinish	non noble metal	tin	7440-31-5	16.291	0.28	0.28	2812	2812	
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	0.354	0.01		61		
	noble metal	silver	7440-22-4	0.885	0.02		153		
	non noble metal	tin	7440-31-5	2.301	0.04	0.07	397	611	
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	51.88	51.95	518969	519645	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

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