



## Material Content Data Sheet



<b>Sales Product Name</b>				IKFW50N60DH3E		<b>Issued</b>		23. January 2018	
<b>MA#</b>				MA001503568					
<b>Package</b>				PG-HSIP247-3-1		<b>Weight*</b>		5806.51 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	3.809	0.07	0.07	656	656	
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	9.38	9.39	93784	93906	
	non noble metal	aluminium	7429-90-5	7.576	0.13	0.13	1305	1305	
wire	inorganic material	zinc oxide	1314-13-2	0.391	0.01		67		
encapsulation	plastics	silicone resin	-	0.880	0.02		152		
	inorganic material	alumina	1344-28-1	8.506	0.15		1465		
	organic material	carbon black	1333-86-4	22.104	0.38		3807		
	plastics	epoxy resin	-	419.971	7.23		72327		
	inorganic material	silicon dioxide	60676-86-0	1768.298	30.45	38.24	304536	382354	
leadfinish	non noble metal	tin	7440-31-5	16.291	0.28	0.28	2806	2806	
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	0.288	0.00		50		
	noble metal	silver	7440-22-4	0.720	0.01		124		
	non noble metal	tin	7440-31-5	1.871	0.03	0.04	322	496	
heatspreader	inorganic material	phosphorus	7723-14-0	0.903	0.02		156		
	non noble metal	iron	7439-89-6	3.010	0.05		518		
	non noble metal	copper	7440-50-8	3006.169	51.77	51.84	517723	518397	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

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