



## Material Content Data Sheet



<b>Sales Product Name</b>		IKY75N120CH3		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA001620110						
<b>Package</b>		PG-TO247-4-2		<b>Weight*</b>		6898.38 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	24.379	0.35	0.35	3534	3534
chip_2	inorganic material	silicon	7440-21-3	12.736	0.18	0.18	1846	1846
leadframe	inorganic material	phosphorus	7723-14-0	0.183	0.00		27	
	non noble metal	iron	7439-89-6	0.611	0.01		89	
	non noble metal	copper	7440-50-8	610.481	8.85	8.86	88496	88612
	non noble metal	aluminium	7429-90-5	28.733	0.42	0.42	4165	4165
wire	non noble metal	aluminium	7429-90-5	28.733	0.42	0.42	4165	4165
encapsulation	organic material	carbon black	1333-86-4	20.391	0.30		2956	
	plastics	epoxy resin	-	387.426	5.62		56162	
	inorganic material	silicondioxide	60676-86-0	1631.268	23.65	29.57	236471	295589
leadfinish	non noble metal	tin	7440-31-5	35.857	0.52	0.52	5198	5198
plating	non noble metal	nickel	7440-02-0	1.952	0.03	0.03	283	283
solder	non noble metal	antimony	7440-36-0	1.742	0.03		253	
	noble metal	silver	7440-22-4	4.355	0.06		631	
	non noble metal	tin	7440-31-5	11.322	0.16	0.25	1641	2525
heatspreader	inorganic material	phosphorus	7723-14-0	1.238	0.02		179	
	non noble metal	iron	7439-89-6	4.127	0.06		598	
	non noble metal	copper	7440-50-8	4121.580	59.74	59.82	597471	598248
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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