



## Material Content Data Sheet



<b>Sales Product Name</b>		IKY75N120CS6		<b>Issued</b>		31. January 2019		
<b>MA#</b>		MA001667354						
<b>Package</b>		PG-TO247-4-2		<b>Weight*</b>		6894.93 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	9.050	0.13	0.13	1312	1312
chip_2	inorganic material	silicon	7440-21-3	21.437	0.31	0.31	3109	3109
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	88540	88656
	non noble metal	aluminium	7429-90-5	29.011	0.42	0.42	4208	4208
wire	non noble metal	aluminium	7429-90-5	29.011	0.42	0.42	4208	4208
encapsulation	organic material	carbon black	1333-86-4	20.451	0.30		2966	
	plastics	epoxy resin	-	388.561	5.64		56355	
	inorganic material	silicondioxide	60676-86-0	1636.047	23.73	29.67	237282	296603
leadfinish	non noble metal	tin	7440-31-5	35.857	0.52	0.52	5200	5200
plating	non noble metal	nickel	7440-02-0	1.952	0.03	0.03	283	283
solder	non noble metal	antimony	7440-36-0	1.434	0.02		208	
	noble metal	silver	7440-22-4	3.586	0.05		520	
	non noble metal	tin	7440-31-5	9.323	0.14	0.21	1352	2080
heatspreader	inorganic material	phosphorus	7723-14-0	1.238	0.02		180	
	non noble metal	iron	7439-89-6	4.127	0.06		599	
	non noble metal	copper	7440-50-8	4121.580	59.77	59.85	597770	598549
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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