



## Material Content Data Sheet



<b>Sales Product Name</b>		IKQ75N120CS6		<b>Issued</b>		31. January 2019		
<b>MA#</b>		MA001667358						
<b>Package</b>		PG-TO247-3-46		<b>Weight*</b>		6897.02 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	3108	3108
leadframe	inorganic material	phosphorus	7723-14-0	1.220	0.02		177	
	non noble metal	iron	7439-89-6	4.066	0.06		590	
	non noble metal	copper	7440-50-8	4060.901	58.88	58.96	588790	589557
	non noble metal	aluminium	7429-90-5	32.847	0.48	0.48	4763	4763
wire	non noble metal	aluminium	7429-90-5	32.847	0.48	0.48	4763	4763
encapsulation	organic material	carbon black	1333-86-4	20.287	0.29		2941	
	plastics	epoxy resin	-	385.455	5.59		55887	
	inorganic material	silicondioxide	60676-86-0	1622.969	23.53	29.41	235314	294142
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4865	4865
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	298	298
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	0.207	0.00		30	
	non noble metal	iron	7439-89-6	0.689	0.01		100	
	non noble metal	copper	7440-50-8	687.941	9.97	9.98	99745	99875
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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