



Material Content Data Sheet



Sales Product Name				IKY50N120CH3		Issued		1. August 2018	
MA#				MA001620098					
Package				PG-TO247-4-2		Weight*		6893.08 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	17.598	0.26	0.26	2553	2553	
chip_2	inorganic material	silicon	7440-21-3	9.050	0.13	0.13	1313	1313	
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	8.86	8.87	88564	88680	
	non noble metal	aluminium	7429-90-5	28.793	0.42	0.42	4177	4177	
wire	non noble metal	aluminium	7429-90-5	28.793	0.42	0.42	4177	4177	
encapsulation	organic material	carbon black	1333-86-4	20.488	0.30		2972		
	plastics	epoxy resin	-	389.270	5.65		56472		
	inorganic material	silicondioxide	60676-86-0	1639.031	23.78	29.73	237779	297223	
leadfinish	non noble metal	tin	7440-31-5	35.857	0.52	0.52	5202	5202	
plating	non noble metal	nickel	7440-02-0	1.952	0.03	0.03	283	283	
solder	non noble metal	antimony	7440-36-0	1.282	0.02		186		
	noble metal	silver	7440-22-4	3.206	0.05		465		
	non noble metal	tin	7440-31-5	8.335	0.12	0.19	1209	1860	
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	597930	598709	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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