



Material Content Data Sheet



Sales Product Name				IKY40N120CS6		Issued		9. January 2019	
MA#				MA001667336					
Package				PG-TO247-4-2		Weight*		6887.39 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	12.588	0.18	0.18	1828	1828	
chip_2	inorganic material	silicon	7440-21-3	4.609	0.07	0.07	669	669	
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	88638	88754	
	non noble metal	aluminium	7429-90-5	21.398	0.31	0.31	3107	3107	
wire	non noble metal	aluminium	7429-90-5	21.398	0.31	0.31	3107	3107	
encapsulation	organic material	carbon black	1333-86-4	20.642	0.30		2997		
	plastics	epoxy resin	-	392.190	5.69		56943		
	inorganic material	silicondioxide	60676-86-0	1651.325	23.98	29.97	239761	299701	
leadfinish	non noble metal	tin	7440-31-5	35.857	0.52	0.52	5206	5206	
plating	non noble metal	nickel	7440-02-0	1.952	0.03	0.03	283	283	
solder	non noble metal	antimony	7440-36-0	0.861	0.01		125		
	noble metal	silver	7440-22-4	2.152	0.03		312		
	non noble metal	tin	7440-31-5	5.594	0.08	0.12	812	1249	
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	59.85	59.93	598424	599203	
*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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