



Material Content Data Sheet



Sales Product Name		IKY40N120CH3		Issued		1. August 2018		
MA#		MA001620092						
Package		PG-TO247-4-2		Weight*		6888.87 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	12.542	0.18	0.18	1821	1821
chip_2	inorganic material	silicon	7440-21-3	7.262	0.11	0.11	1054	1054
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	88618	88734
	non noble metal	aluminium	7429-90-5	21.869	0.32	0.32	3174	3174
wire	non noble metal	aluminium	7429-90-5	21.869	0.32	0.32	3174	3174
	organic material	carbon black	1333-86-4	20.613	0.30		2992	
encapsulation	plastics	epoxy resin	-	391.643	5.69		56851	
	inorganic material	silicondioxide	60676-86-0	1649.022	23.94	29.93	239375	299218
leadfinish	non noble metal	tin	7440-31-5	35.857	0.52	0.52	5205	5205
plating	non noble metal	nickel	7440-02-0	1.952	0.03	0.03	283	283
solder	non noble metal	antimony	7440-36-0	0.989	0.01		144	
	noble metal	silver	7440-22-4	2.472	0.04		359	
	non noble metal	tin	7440-31-5	6.428	0.09	0.14	933	1436
	inorganic material	phosphorus	7723-14-0	1.238	0.02		180	
heatspreader	non noble metal	iron	7439-89-6	4.127	0.06		599	
	non noble metal	copper	7440-50-8	4121.580	59.82	59.90	598296	599075
*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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