



Material Content Data Sheet



Sales Product Name		IKQ75N120CH3		Issued		20. July 2018		
MA#		MA001620128						
Package		PG-TO247-3-46		Weight*		6900.36 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	37.115	0.54	0.54	5379	5379
leadframe	non noble metal	iron	7439-89-6	4.066	0.06		589	
	inorganic material	phosphorus	7723-14-0	1.220	0.02		177	
	non noble metal	copper	7440-50-8	4060.901	58.85	58.93	588505	589271
wire	non noble metal	aluminium	7429-90-5	31.629	0.46	0.46	4584	4584
encapsulation	organic material	carbon black	1333-86-4	20.236	0.29		2933	
	plastics	epoxy resin	-	384.478	5.57		55719	
	inorganic material	silicondioxide	60676-86-0	1618.855	23.46	29.32	234604	293256
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4863	4863
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	297	297
solder	non noble metal	antimony	7440-36-0	1.742	0.03		252	
	noble metal	silver	7440-22-4	4.355	0.06		631	
	non noble metal	tin	7440-31-5	11.322	0.16	0.25	1641	2524
heatspreader	non noble metal	iron	7439-89-6	0.689	0.01		100	
	inorganic material	phosphorus	7723-14-0	0.207	0.00		30	
	non noble metal	copper	7440-50-8	687.941	9.97	9.98	99696	99826
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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