



Material Content Data Sheet



Sales Product Name		IKQ120N60T		Issued		24. January 2018		
MA#		MA001149816						
Package		PG-TO247-3-46		Weight*		6893.08 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	18.203	0.26	0.26	2641	2641
leadframe	non noble metal	iron	7439-89-6	4.066	0.06		590	
	inorganic material	phosphorus	7723-14-0	1.220	0.02		177	
	non noble metal	copper	7440-50-8	4060.901	58.92	59.00	589127	589894
wire	non noble metal	aluminium	7429-90-5	31.671	0.46	0.46	4595	4595
encapsulation	organic material	carbon black	1333-86-4	20.404	0.30		2960	
	plastics	epoxy resin	-	387.678	5.62		56241	
	inorganic material	silicondioxide	60676-86-0	1632.327	23.68	29.60	236806	296007
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4868	4868
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	298	298
solder	non noble metal	antimony	7440-36-0	1.217	0.02		177	
	noble metal	silver	7440-22-4	3.043	0.04		441	
	non noble metal	tin	7440-31-5	7.911	0.11	0.17	1148	1766
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	9.98	9.99	99801	99931
*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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