



## Material Content Data Sheet



Sales Product Name	IKQ120N60TA			Issued		27. October 2015		
MA#	MA001429556							
Package	PG-TO247-3-46			Weight*		6893.53 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	589089	589856
wire	non noble metal	aluminium	7429-90-5	31.671	0.46	0.46	4594	4594
encapsulation	organic material	carbon black	1333-86-4	20.404	0.30		2960	
	plastics	epoxy resin	-	387.678	5.62		56238	
	inorganic material	silicondioxide	60676-86-0	1632.327	23.68	29.60	236791	295989
leadfinish	non noble metal	tin	7440-31-5	33.975	0.49	0.49	4928	4928
plating	non noble metal	nickel	7440-02-0	2.078	0.03	0.03	301	301
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	99795	99925
*deviation	< 10%	Sum in total:			100.00			1000000

### Important Remarks:

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This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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