



Material Content Data Sheet



Sales Product Name		IKQ120N60T		Issued		4. October 2018		
MA#		MA001886026						
Package		PG-TO247-3-46		Weight*		6892.98 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	6.406	0.09	0.09	929	929
chip_2	inorganic material	silicon	7440-21-3	11.796	0.17	0.17	1711	1711
leadframe	inorganic material	phosphorus	7723-14-0	1.220	0.02		177	
	non noble metal	iron	7439-89-6	4.066	0.06		590	
wire	non noble metal	copper	7440-50-8	4060.901	58.91	58.99	589136	589903
	non noble metal	aluminium	7429-90-5	30.719	0.45	0.45	4457	4457
encapsulation	organic material	carbon black	1333-86-4	20.413	0.30		2961	
	plastics	epoxy resin	-	387.838	5.63		56266	
	inorganic material	silicondioxide	60676-86-0	1633.001	23.69	29.62	236908	296135
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	inorganic material	phosphorus	7723-14-0	0.207	0.00		30	
	non noble metal	iron	7439-89-6	0.689	0.01		100	
	non noble metal	copper	7440-50-8	687.941	9.98	9.99	99803	99933
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com