



Material Content Data Sheet



Sales Product Name		IKW50N60T		Issued		24. January 2018		
MA#		MA001250948						
Package		PG-TO247-3-21		Weight*		5999.64 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	8.821	0.15	0.15	1470	1470
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.82	8.83	88184	88298
wire	non noble metal	aluminium	7429-90-5	15.720	0.26	0.26	2620	2620
encapsulation	organic material	carbon black	1333-86-4	21.297	0.36		3550	
	inorganic material	antimonytrioxide	1309-64-4	44.529	0.74		7422	
	plastics	brominated resin	-	50.338	0.84		8390	
	plastics	epoxy resin	-	367.851	6.13		61312	
	inorganic material	silicondioxide	60676-86-0	1452.044	24.20	32.27	242022	322696
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5313	5313
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4844	4844
solder	non noble metal	antimony	7440-36-0	0.586	0.01		98	
	noble metal	silver	7440-22-4	1.466	0.02		244	
	non noble metal	tin	7440-31-5	3.810	0.06	0.09	635	977
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		172	
	non noble metal	iron	7439-89-6	3.442	0.06		574	
	non noble metal	copper	7440-50-8	3438.006	57.31	57.39	573036	573782
*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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