



Material Content Data Sheet



Sales Product Name		IKW50N60T		Issued		25. September 2017		
MA#		MA001205148						
Package		PG-TO247-3-44		Weight*		6067.28 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	8.178	0.13	0.13	1348	1348
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.72	8.73	87201	87314
wire	non noble metal	aluminium	7429-90-5	155.142	2.56	2.56	25570	25570
encapsulation	organic material	carbon black	1333-86-4	18.650	0.31		3074	
	plastics	epoxy resin	-	354.354	5.84		58404	
	inorganic material	silicondioxide	60676-86-0	1492.017	24.59	30.74	245913	307391
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5253	5253
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4790	4790
solder	non noble metal	antimony	7440-36-0	0.576	0.01		95	
	noble metal	silver	7440-22-4	1.439	0.02		237	
	non noble metal	tin	7440-31-5	3.742	0.06	0.09	617	949
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		567	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.66	56.74	566648	567385
*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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