



Material Content Data Sheet



Sales Product Name				IKW50N60T		Issued		25. September 2017	
MA#				MA001219546					
Package				PG-TO247-3-41		Weight*		6067.40 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	87199	87312	
wire	non noble metal	aluminium	7429-90-5	156.247	2.58	2.58	25752	25752	
encapsulation	organic material	carbon black	1333-86-4	18.640	0.31		3072		
	plastics	epoxy resin	-	354.168	5.84		58372		
	inorganic material	silicondioxide	60676-86-0	1491.235	24.58	30.73	245779	307223	
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	56.65	56.73	566636	567373	
*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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