



Material Content Data Sheet



Sales Product Name		IKW50N60T		Issued		25. September 2017		
MA#		MA001066174						
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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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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