



Material Content Data Sheet



Sales Product Name		IKW50N60DTP		Issued		20. July 2018		
MA#		MA001393936						
Package		PG-TO247-3-44		Weight*		6065.41 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	4.824	0.08	0.08	795	795
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	87227	87340
wire	non noble metal	aluminium	7429-90-5	156.700	2.58	2.58	25835	25835
encapsulation	organic material	carbon black	1333-86-4	18.669	0.31		3078	
	plastics	epoxy resin	-	354.707	5.85		58480	
	inorganic material	silicondioxide	60676-86-0	1493.505	24.62	30.78	246233	307791
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5255	5255
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4792	4792
solder	non noble metal	antimony	7440-36-0	0.383	0.01		63	
	noble metal	silver	7440-22-4	0.958	0.02		158	
	non noble metal	tin	7440-31-5	2.491	0.04	0.07	411	632
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.67	56.75	566822	567560
*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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