



Material Content Data Sheet



Sales Product Name		IKW50N60T		Issued		19. July 2018		
MA#		MA001170482						
Package		PG-TO247-3-44		Weight*		6051.15 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	0.14	0.14	1352	1352
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	8.74	8.75	87433	87547
wire	non noble metal	aluminium	7429-90-5	15.167	0.25	0.25	2506	2506
encapsulation	organic material	carbon black	1333-86-4	19.889	0.33		3287	
	plastics	epoxy resin	-	377.885	6.24		62448	
	inorganic material	silicondioxide	60676-86-0	1591.096	26.29	32.86	262941	328676
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
solder	non noble metal	antimony	7440-36-0	0.576	0.01		95	
	noble metal	silver	7440-22-4	1.439	0.02		238	
	non noble metal	tin	7440-31-5	3.742	0.06	0.09	618	951
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.82	56.90	568158	568898
*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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