



Material Content Data Sheet



Sales Product Name		IKW50N60H3		Issued		19. July 2018		
MA#		MA001219582						
Package		PG-TO247-3-41		Weight*		6066.37 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	7.004	0.12	0.12	1155	1155
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	87214	87327
wire	non noble metal	aluminium	7429-90-5	154.278	2.54	2.54	25432	25432
encapsulation	organic material	carbon black	1333-86-4	18.670	0.31		3078	
	plastics	epoxy resin	-	354.721	5.85		58473	
	inorganic material	silicondioxide	60676-86-0	1493.560	24.62	30.78	246204	307755
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5254	5254
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4791	4791
solder	non noble metal	antimony	7440-36-0	0.496	0.01		82	
	noble metal	silver	7440-22-4	1.240	0.02		204	
	non noble metal	tin	7440-31-5	3.223	0.05	0.08	531	817
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	566732	567469
*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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