



Material Content Data Sheet



Sales Product Name		IKW50N65WR5		Issued		22. January 2018		
MA#		MA001583156						
Package		PG-TO247-3-41		Weight*		6055.19 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	2.517	0.04	0.04	416	416
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	8.74	8.75	87374	87487
wire	non noble metal	aluminium	7429-90-5	82.472	1.36	1.36	13620	13620
encapsulation	organic material	carbon black	1333-86-4	19.349	0.32		3195	
	plastics	epoxy resin	-	367.626	6.07		60713	
	inorganic material	silicondioxide	60676-86-0	1547.897	25.56	31.95	255632	319540
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.216	0.00		36	
	noble metal	silver	7440-22-4	0.539	0.01		89	
	non noble metal	tin	7440-31-5	1.401	0.02	0.03	231	356
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	56.78	56.86	567777	568517
*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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