



Material Content Data Sheet



Sales Product Name		IKW40N65F5		Issued		24. January 2018		
MA#		MA001497228						
Package		PG-TO247-3-41		Weight*		6057.43 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	1.485	0.02	0.02	245	245
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	8.73	8.74	87342	87455
wire	non noble metal	aluminium	7429-90-5	108.416	1.79	1.79	17898	17898
encapsulation	organic material	carbon black	1333-86-4	19.130	0.32		3158	
	plastics	epoxy resin	-	363.461	6.00		60003	
	inorganic material	silicondioxide	60676-86-0	1530.362	25.26	31.58	252642	315803
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5262	5262
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4798	4798
solder	non noble metal	antimony	7440-36-0	0.140	0.00		23	
	noble metal	silver	7440-22-4	0.350	0.01		58	
	non noble metal	tin	7440-31-5	0.909	0.02	0.03	150	231
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	56.75	56.83	567570	568308
*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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