



Material Content Data Sheet



Sales Product Name		IKW40N65WR5		Issued		20. July 2018		
MA#		MA001579964						
Package		PG-TO247-3-41		Weight*		6054.75 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	2.080	0.03	0.03	343	343
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	87381	87494
wire	non noble metal	aluminium	7429-90-5	81.562	1.35	1.35	13471	13471
encapsulation	organic material	carbon black	1333-86-4	19.361	0.32		3198	
	plastics	epoxy resin	-	367.863	6.08		60756	
	inorganic material	silicondioxide	60676-86-0	1548.898	25.58	31.98	255816	319770
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	0.180	0.00		30	
	noble metal	silver	7440-22-4	0.451	0.01		74	
	non noble metal	tin	7440-31-5	1.173	0.02	0.03	194	298
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	56.77	56.85	567820	568560
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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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