



Material Content Data Sheet



Sales Product Name				IKW50N65ES5		Issued		12. August 2019	
MA#				MA005352975					
Package				PG-TO247-3-44		Weight*		6053.67 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip_1	inorganic material	silicon	7440-21-3	2.181	0.04	0.04	360	360	
chip_2	inorganic material	silicon	7440-21-3	2.704	0.04	0.04	447	447	
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26		
	non noble metal	iron	7439-89-6	0.530	0.01		88		
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87396	87510	
	non noble metal	aluminium	7429-90-5	21.448	0.35	0.35	3543	3543	
wire	non noble metal	aluminium	7429-90-5	21.448	0.35	0.35	3543	3543	
encapsulation	organic material	carbon black	1333-86-4	19.902	0.33		3288		
	plastics	epoxy resin	-	378.137	6.25		62464		
	inorganic material	silicondioxide	60676-86-0	1592.154	26.30	32.88	263006	328758	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5265	5265	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4801	4801	
solder	non noble metal	antimony	7440-36-0	0.397	0.01		66		
	noble metal	silver	7440-22-4	0.992	0.02		164		
	non noble metal	tin	7440-31-5	2.578	0.04	0.07	426	656	
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171		
	non noble metal	iron	7439-89-6	3.442	0.06		569		
	non noble metal	copper	7440-50-8	3438.006	56.78	56.86	567920	568660	
*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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