



Material Content Data Sheet



Sales Product Name		IKW50N65EH5		Issued		27. September 2017		
MA#		MA001288638						
Package		PG-TO247-3-41		Weight*		6049.30 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	4.698	0.08	0.08	777	777
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	8.75	8.76	87459	87573
	non noble metal	aluminium	7429-90-5	16.405	0.27	0.27	2712	2712
wire	non noble metal	aluminium	7429-90-5	16.405	0.27	0.27	2712	2712
encapsulation	organic material	carbon black	1333-86-4	19.911	0.33		3291	
	plastics	epoxy resin	-	378.308	6.25		62537	
	inorganic material	silicondioxide	60676-86-0	1592.874	26.33	32.91	263316	329144
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.393	0.01		65	
	noble metal	silver	7440-22-4	0.983	0.02		162	
	non noble metal	tin	7440-31-5	2.555	0.04	0.07	422	649
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	56.82	56.90	568331	569071
*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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