

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKFW90N65ES5	**Issued**	05. April 2021
MA#	MA001782138		
Package	PG-HSIP247-3-2	**Weight***	5949.28 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	3.773	0.06	0.06	634	634
chip_2	inorganic material	silicon	7440-21-3	3.143	0.05	0.05	528	528
leadframe	inorganic material	phosphorus	7723-14-0	0.153			26	
	non noble metal	iron	7439-89-6	0.511	0.01		86	
	non noble metal	copper	7440-50-8	510.037	8.57	8.58	85731	85843
wire	non noble metal	aluminium	7429-90-5	23.888	0.40	0.40	4015	4015
encapsulation	inorganic material	zincoxide	1314-13-2	9.149	0.15		1538	
	organic material	carbon black	1333-86-4	20.449	0.34		3437	
	plastics	silicone resin	-	20.585	0.35		3460	
	inorganic material	alumina	1344-28-1	198.993	3.34		33448	
	plastics	epoxy resin	-	388.526	6.53		65307	
	inorganic material	silicondioxide	60676-86-0	1,635.899	27.50	38.21	274975	382165
leadfinish	non noble metal	tin	7440-31-5	15.237	0.26	0.26	2561	2561
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.429	0.01	0.01	72	73
solder	non noble metal	antimony	7440-36-0	0.551	0.01		93	
	noble metal	silver	7440-22-4	1.378	0.02		232	
	non noble metal	tin	7440-31-5	3.583	0.06	0.09	602	927
heatspreader	inorganic material	phosphorus	7723-14-0	0.934	0.02		157	
	non noble metal	iron	7439-89-6	3.113	0.05		523	
	non noble metal	copper	7440-50-8	3,108.943	52.27	52.34	522574	523254
*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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