

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW75N65ES5	**Issued**	8. September 2019
MA#	MA004842694		
Package	PG-TO247-3-41	**Weight***	6055.14 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	3.143	0.05	0.05	519	519
chip_2	inorganic material	silicon	7440-21-3	3.827	0.06	0.06	632	632
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87375	87488
wire	non noble metal	aluminium	7429-90-5	21.229	0.35	0.35	3506	3506
encapsulation	organic material	carbon black	1333-86-4	19.882	0.33		3284	
	plastics	epoxy resin	-	377.767	6.24		62388	
	inorganic material	silicondioxide	60676-86-0	1590.598	26.27	32.84	262685	328357
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	0.552	0.01		91	
	noble metal	silver	7440-22-4	1.380	0.02		228	
	non noble metal	tin	7440-31-5	3.588	0.06	0.09	593	912
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	56.77	56.85	567782	568522
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com