



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKP39N65ES5	Issued	24. February 2022
MA#	MA005708654		
Package	PG-TO220-3-1	Weight*	2034.91 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	1.381	0.07	0.07	679	679
chip_2	inorganic material	silicon	7440-21-3	1.761	0.09	0.09	865	865
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.08	40.13	400673	401194
wire	non noble metal	aluminium	7429-90-5	13.624	0.67	0.67	6695	6695
encapsulation	organic material	carbon black	1333-86-4	5.872	0.29		2885	
	plastics	epoxy resin	-	111.562	5.48		54824	
	inorganic material	silicondioxide	60676-86-0	469.733	23.08	28.85	230837	288546
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10547	10547
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.264	0.01		130	
	noble metal	silver	7440-22-4	0.660	0.03		325	
	non noble metal	tin	7440-31-5	1.717	0.08	0.12	844	1299
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.97	29.01	289677	290054
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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 Neubiberg
Internet	www.infineon.com