

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP65R045C7	**Issued**	08. April 2022
MA#	MA001605276		
Package	PG-TO220-3-1	**Weight***	2039.11 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	15.501	0.76	0.76	7602	7602
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		400	
	non noble metal	copper	7440-50-8	815.335	39.99	40.04	399848	400368
wire	non noble metal	aluminium	7429-90-5	10.614	0.52	0.52	5205	5205
encapsulation	organic material	carbon black	1333-86-4	5.782	0.28		2835	
	plastics	epoxy resin	-	109.854	5.39		53874	
	inorganic material	silicondioxide	60676-86-0	462.543	22.68	28.35	226836	283545
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10525	10525
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	0.648	0.03		318	
	noble metal	silver	7440-22-4	1.619	0.08		794	
	non noble metal	tin	7440-31-5	4.210	0.21	0.32	2065	3177
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		289	
	non noble metal	copper	7440-50-8	589.466	28.91	28.95	289081	289457
*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