

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA90R500C3	**Issued**	31. March 2021
MA#	MA001371656		
Package	PG-TO220-3-313	**Weight***	2204.98 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	9.945	0.45	0.45	4510	4510
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
	non noble metal	copper	7440-50-8	902.149	40.91	40.96	409141	409674
wire	non noble metal	aluminium	7429-90-5	3.618	0.16	0.16	1641	1641
encapsulation	organic material	carbon black	1333-86-4	2.330	0.11		1057	
	plastics	epoxy resin	-	213.003	9.66		96601	
	inorganic material	silicondioxide	60676-86-0	913.560	41.43	51.20	414316	511974
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3572	3572
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.461	0.02		209	
	noble metal	silver	7440-22-4	1.152	0.05		522	
	non noble metal	tin	7440-31-5	2.994	0.14	0.21	1358	2089
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.57	6.58	65703	65789
*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