

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP90R340C3	**Issued**	24. February 2022
MA#	MA005709327		
Package	PG-TO220-3-1	**Weight***	2036.08 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	13.276	0.65	0.65	6520	6520
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	40.05	40.10	400443	400964
wire	non noble metal	aluminium	7429-90-5	3.583	0.18	0.18	1760	1760
encapsulation	organic material	carbon black	1333-86-4	5.852	0.29		2874	
	plastics	epoxy resin	-	111.190	5.46		54609	
	inorganic material	silicondioxide	60676-86-0	468.166	22.99	28.74	229934	287417
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10541	10541
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	0.568	0.03		279	
	noble metal	silver	7440-22-4	1.420	0.07		698	
	non noble metal	tin	7440-31-5	3.693	0.18	0.28	1814	2791
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	28.95	28.99	289509	289886
*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.
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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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