

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP90R800C3	**Issued**	15. May 2021
MA#	MA005341906		
Package	PG-TO220-3-123	**Weight***	2027.74 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	6.653	0.33	0.33	3281	3281
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.20	40.25	402091	402615
wire	non noble metal	aluminium	7429-90-5	1.870	0.09	0.09	922	922
encapsulation	organic material	carbon black	1333-86-4	2.344	0.12		1156	
	plastics	epoxy resin	-	67.969	3.35		33520	
	inorganic material	silicondioxide	60676-86-0	515.629	25.43	28.90	254287	288963
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10584	10584
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.342	0.02		169	
	noble metal	silver	7440-22-4	0.855	0.04		421	
	non noble metal	tin	7440-31-5	2.222	0.11	0.17	1096	1686
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.07	29.11	290701	291079
*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.

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