

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP50R500CE	**Issued**	11. April 2021
MA#	MA001804150		
Package	PG-TO220-3-123	**Weight***	2025.48 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	2.939	0.15	0.15	1451	1451
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	40.25	40.30	402540	403064
wire	non noble metal	aluminium	7429-90-5	0.716	0.04	0.04	353	353
encapsulation	organic material	carbon black	1333-86-4	2.360	0.12		1165	
	plastics	epoxy resin	-	68.443	3.38		33791	
	inorganic material	silicondioxide	60676-86-0	519.226	25.63	29.13	256347	291303
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10596	10596
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	871	871
solder	non noble metal	antimony	7440-36-0	0.194	0.01		96	
	noble metal	silver	7440-22-4	0.485	0.02		240	
	non noble metal	tin	7440-31-5	1.262	0.06	0.09	623	959
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	29.10	29.14	291025	291403
*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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