

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP50R280CE	**Issued**	11. April 2021
MA#	MA001797240		
Package	PG-TO220-3-123	**Weight***	2027.32 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	4.825	0.24	0.24	2380	2380
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	40.21	40.26	402174	402698
wire	non noble metal	aluminium	7429-90-5	3.323	0.16	0.16	1639	1639
encapsulation	organic material	carbon black	1333-86-4	2.346	0.12		1157	
	plastics	epoxy resin	-	68.043	3.36		33563	
	inorganic material	silicondioxide	60676-86-0	516.188	25.46	28.94	254617	289337
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10587	10587
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.274	0.01		135	
	noble metal	silver	7440-22-4	0.684	0.03		337	
	non noble metal	tin	7440-31-5	1.779	0.09	0.13	877	1349
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	29.08	29.12	290762	291140
*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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