



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP80R450P7	Issued	13. May 2021
MA#	MA002112130		
Package	PG-TO220-3-123	Weight*	2026.60 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	3.428	0.17	0.17	1692	1692
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	402316	402840
wire	non noble metal	aluminium	7429-90-5	3.226	0.16	0.16	1592	1592
encapsulation	organic material	carbon black	1333-86-4	2.352	0.12		1160	
	plastics	epoxy resin	-	68.199	3.37		33652	
	inorganic material	silicondioxide	60676-86-0	517.371	25.53	29.02	255290	290102
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10590	10590
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.217	0.01		107	
	noble metal	silver	7440-22-4	0.542	0.03		268	
	non noble metal	tin	7440-31-5	1.410	0.07	0.11	696	1071
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	29.09	29.13	290865	291243
*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.
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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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