



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP50R190CE	Issued	25. June 2021
MA#	MA005565398		
Package	PG-TO220-3-321	Weight*	1925.34 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	6.706	0.35	0.35	3483	3483
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		756	
	non noble metal	copper	7440-50-8	1,452.764	75.45	75.55	754549	755532
wire	non noble metal	aluminium	7429-90-5	3.340	0.17	0.17	1735	1735
encapsulation	organic material	carbon black	1333-86-4	2.248	0.12		1168	
	inorganic material	zinc borate	-	42.717	2.22		22187	
	plastics	epoxy resin	-	89.930	4.67		46709	
	inorganic material	silicondioxide	60676-86-0	314.756	16.35	23.36	163481	233545
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3917	3917
solder	non noble metal	antimony	7440-36-0	0.344	0.02		179	
	noble metal	silver	7440-22-4	0.860	0.04		447	
	non noble metal	tin	7440-31-5	2.236	0.12	0.18	1162	1788
*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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