



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP50R140CP	Issued	25. June 2021
MA#	MA005564539		
Package	PG-TO220-3-321	Weight*	1927.65 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	11.898	0.62	0.62	6172	6172
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		226	
	non noble metal	iron	7439-89-6	1.455	0.08		755	
	non noble metal	copper	7440-50-8	1,452.764	75.35	75.45	753644	754625
wire	non noble metal	aluminium	7429-90-5	3.334	0.17	0.17	1730	1730
encapsulation	organic material	carbon black	1333-86-4	2.225	0.12		1154	
	inorganic material	zinc borate	-	42.273	2.19		21930	
	plastics	epoxy resin	-	88.997	4.62		46168	
	inorganic material	silicondioxide	60676-86-0	311.489	16.16	23.09	161590	230842
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3912	3912
solder	non noble metal	antimony	7440-36-0	0.524	0.03		272	
	noble metal	silver	7440-22-4	1.310	0.07		680	
	non noble metal	tin	7440-31-5	3.406	0.18	0.28	1767	2719
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com