



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP80R1K4P7	Issued	25. June 2021
MA#	MA005561720		
Package	PG-TO220-3-321	Weight*	1922.01 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	1.500	0.08	0.08	780	780
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		757	
	non noble metal	copper	7440-50-8	1,452.764	75.58	75.68	755855	756839
wire	non noble metal	aluminium	7429-90-5	0.899	0.05	0.05	468	468
encapsulation	organic material	carbon black	1333-86-4	2.281	0.12		1187	
	inorganic material	zinc borate	-	43.333	2.25		22546	
	plastics	epoxy resin	-	91.228	4.75		47465	
	inorganic material	silicondioxide	60676-86-0	319.299	16.61	23.73	166127	237325
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3924	3924
solder	non noble metal	antimony	7440-36-0	0.128	0.01		66	
	noble metal	silver	7440-22-4	0.319	0.02		166	
	non noble metal	tin	7440-31-5	0.830	0.04	0.07	432	664
*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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