



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA80R1K4P7	Issued	06. April 2021
MA#	MA002116528		
Package	PG-TO220-3-253	Weight*	2133.07 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	0.07	0.07	703	703
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		671	
	non noble metal	copper	7440-50-8	1,428.770	66.96	67.05	669819	670691
wire	non noble metal	aluminium	7429-90-5	0.817	0.04	0.04	383	383
encapsulation	organic material	carbon black	1333-86-4	3.378	0.16		1584	
	plastics	epoxy resin	-	131.745	6.18		61763	
	inorganic material	silicondioxide	60676-86-0	540.494	25.34	31.68	253388	316735
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10062	10062
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	827	827
solder	non noble metal	antimony	7440-36-0	0.128	0.01		60	
	noble metal	silver	7440-22-4	0.319	0.02		150	
	non noble metal	tin	7440-31-5	0.830	0.04	0.07	389	599
*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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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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