

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA50R140CP	**Issued**	02. June 2021
MA#	MA001334338		
Package	PG-TO220-3-313	**Weight***	2205.33 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	0.54	0.54	5395	5395
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
	non noble metal	copper	7440-50-8	902.149	40.91	40.96	409076	409609
wire	non noble metal	aluminium	7429-90-5	3.686	0.17	0.17	1671	1671
encapsulation	organic material	carbon black	1333-86-4	2.327	0.11		1055	
	plastics	epoxy resin	-	212.584	9.64		96395	
	inorganic material	silicondioxide	60676-86-0	911.677	41.33	51.08	413397	510847
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3572	3572
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.524	0.02		238	
	noble metal	silver	7440-22-4	1.310	0.06		594	
	non noble metal	tin	7440-31-5	3.406	0.15	0.23	1544	2376
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.57	6.58	65693	65779
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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.

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