

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPG20N10S4L-22	**Issued**	27. March 2021
MA#	MA000940698		
Package	PG-TDSON-8-4	**Weight***	97.59 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	1.592	1.63	1.63	16312	16312
chip_2	inorganic material	silicon	7440-21-3	1.592	1.63	1.63	16312	16312
leadframe	inorganic material	phosphorus	7723-14-0	0.013	0.01		137	
	non noble metal	iron	7439-89-6	0.044	0.05		456	
	non noble metal	copper	7440-50-8	44.409	45.52	45.58	455080	455673
wire	non noble metal	aluminium	7429-90-5	0.706	0.72	0.72	7232	7232
encapsulation	organic material	carbon black	1333-86-4	0.088	0.09		905	
	plastics	epoxy resin	-	6.268	6.42		64231	
	inorganic material	silicondioxide	60676-86-0	37.785	38.72	45.23	387194	452330
leadfinish	non noble metal	tin	7440-31-5	1.308	1.34	1.34	13400	13400
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.048	0.05	0.05	492	493
solder	non noble metal	tin	7440-31-5	0.070	0.07		715	
	noble metal	silver	7440-22-4	0.087	0.09		893	
	non noble metal	lead	7439-92-1	3.330	3.41	3.57	34126	35734
heatspreader	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	iron	7439-89-6	0.000			3	
	non noble metal	copper	7440-50-8	0.245	0.25	0.25	2510	2514
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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