



## Material Content Data Sheet



Halogen-Free

Sales Product Name	IDP18E120	Issued	27. April 2022
MA#	MA005734961		
Package	PG-TO220-2-1	Weight*	1965.57 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	3.293	0.17	0.17	1675	1675
leadframe	inorganic material	phosphorus	7723-14-0	0.226	0.01		115	
	non noble metal	iron	7439-89-6	0.753	0.04		383	
	non noble metal	copper	7440-50-8	751.797	38.26	38.31	382482	382980
wire	non noble metal	aluminium	7429-90-5	3.213	0.16	0.16	1635	1635
encapsulation	organic material	carbon black	1333-86-4	5.995	0.30		3050	
	plastics	epoxy resin	-	113.897	5.79		57946	
	inorganic material	silicondioxide	60676-86-0	479.566	24.40	30.49	243982	304978
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7370	7370
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.198	0.01	0.01	101	102
solder	non noble metal	antimony	7440-36-0	0.192	0.01		97	
	noble metal	silver	7440-22-4	0.479	0.02		244	
	non noble metal	tin	7440-31-5	1.246	0.06	0.09	634	975
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		90	
	non noble metal	iron	7439-89-6	0.590	0.03		300	
	non noble metal	copper	7440-50-8	589.466	29.99	30.03	299895	300285
*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 does not use any exemption.

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