



Material Content Data Sheet



Halogen-Free

Sales Product Name	IDP12E120	Issued	24. February 2022
MA#	MA005700962		
Package	PG-TO220-2-1	Weight*	1964.91 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	2.921	0.15	0.15	1486	1486
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	38.25	38.30	382610	383108
wire	non noble metal	aluminium	7429-90-5	1.566	0.08	0.08	797	797
encapsulation	organic material	carbon black	1333-86-4	6.010	0.31		3059	
	plastics	epoxy resin	-	114.185	5.81		58112	
	inorganic material	silicondioxide	60676-86-0	480.779	24.47	30.59	244682	305853
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7373	7373
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	0.176	0.01		89	
	noble metal	silver	7440-22-4	0.440	0.02		224	
	non noble metal	tin	7440-31-5	1.143	0.06	0.09	582	895
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	30.00	30.04	299996	300386
*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