

Material Content Data Sheet

RoHS | 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.
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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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