



Material Content Data Sheet



Sales Product Name		IDP18E120		Issued		20. July 2018		
MA#		MA000763574						
Package		PG-TO220-2-1		Weight*		1965.13 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	3.674	0.19	0.19	1870	1870
leadframe	non noble metal	iron	7439-89-6	0.753	0.04		383	
	inorganic material	phosphorus	7723-14-0	0.226	0.01		115	
	non noble metal	copper	7440-50-8	751.797	38.25	38.30	382568	383067
wire	non noble metal	aluminium	7429-90-5	2.582	0.13	0.13	1314	1314
encapsulation	organic material	carbon black	1333-86-4	5.991	0.30		3049	
	plastics	epoxy resin	-	113.830	5.79		57925	
	inorganic material	silicondioxide	60676-86-0	479.284	24.39	30.48	243895	304869
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7372	7372
plating	non noble metal	nickel	7440-02-0	0.198	0.01		101	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.01	1	101
solder	non noble metal	antimony	7440-36-0	0.207	0.01		105	
	noble metal	silver	7440-22-4	0.518	0.03		264	
	non noble metal	tin	7440-31-5	1.346	0.07	0.11	685	1054
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		300	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		90	
	non noble metal	copper	7440-50-8	589.466	30.00	30.04	299963	300353
*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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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

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