



Material Content Data Sheet



Sales Product Name		IDP30E120		Issued		27. September 2017		
MA#		MA000763576						
Package		PG-TO220-2-1		Weight*		1966.07 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	5.181	0.26	0.26	2635	2635
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	38.24	38.29	382384	382883
wire	non noble metal	aluminium	7429-90-5	2.664	0.14	0.14	1355	1355
encapsulation	organic material	carbon black	1333-86-4	5.976	0.30		3040	
	plastics	epoxy resin	-	113.550	5.78		57755	
	inorganic material	silicondioxide	60676-86-0	478.104	24.32	30.40	243178	303973
leadfinish	non noble metal	tin	7440-31-5	14.668	0.75	0.75	7460	7460
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	0.272	0.01		138	
	noble metal	silver	7440-22-4	0.681	0.03		346	
	non noble metal	tin	7440-31-5	1.769	0.09	0.13	900	1384
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	29.98	30.02	299819	300209
*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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