



Material Content Data Sheet



Sales Product Name		IDP30E65D1		Issued		26. September 2017		
MA#		MA001171160						
Package		PG-TO220-2-1		Weight*		1964.34 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	1.287	0.07	0.07	655	655
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	38.27	38.32	382721	383219
	non noble metal	aluminium	7429-90-5	5.473	0.28	0.28	2786	2786
wire	non noble metal	aluminium	7429-90-5	5.473	0.28	0.28	2786	2786
encapsulation	organic material	carbon black	1333-86-4	5.987	0.30		3048	
	plastics	epoxy resin	-	113.761	5.79		57913	
	inorganic material	silicondioxide	60676-86-0	478.994	24.38	30.47	243845	304806
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7375	7375
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00		1	
	non noble metal	nickel	7440-02-0	0.198	0.01	0.01	101	102
solder	non noble metal	antimony	7440-36-0	0.115	0.01		58	
	noble metal	silver	7440-22-4	0.287	0.01		146	
	non noble metal	tin	7440-31-5	0.745	0.04	0.06	379	583
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	30.01	30.05	300084	300474
*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 München
Internet	www.infineon.com