



Material Content Data Sheet



Sales Product Name		IDP30C65D2		Issued		20. July 2018		
MA#		MA001171118						
Package		PG-TO220-3-1		Weight*		2030.33 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	1.485	0.07	0.07	731	731
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.16	40.21	401578	402101
	non noble metal	aluminium	7429-90-5	5.037	0.25	0.25	2481	2481
wire	non noble metal	aluminium	7429-90-5	5.037	0.25	0.25	2481	2481
encapsulation	organic material	carbon black	1333-86-4	5.941	0.29		2926	
	plastics	epoxy resin	-	112.873	5.56		55594	
	inorganic material	silicondioxide	60676-86-0	475.256	23.41	29.26	234078	292598
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10571	10571
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.140	0.01		69	
	noble metal	silver	7440-22-4	0.350	0.02		172	
	non noble metal	tin	7440-31-5	0.909	0.04	0.07	448	689
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.03	29.07	290330	290708
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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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