



Material Content Data Sheet



Sales Product Name	IDP30E120			Issued		16. January 2020		
MA#	MA000763576							
Package	PG-TO220-2-1			Weight*		1966.54 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	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	38.25	38.30	382293	382791
wire	non noble metal	aluminium	7429-90-5	3.315	0.17	0.17	1685	1685
encapsulation	organic material	carbon black	1333-86-4	5.976	0.30		3039	
	plastics	epoxy resin	-	113.550	5.77		57741	
	inorganic material	silicondioxide	60676-86-0	478.104	24.31	30.38	243119	303899
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7367	7367
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	0.272	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	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	29.97	30.01	299747	300137
*deviation	< 10%	Sum in total:			100.00		1000000	

Important Remarks:

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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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