



Material Content Data Sheet



Halogen-Free

Sales Product Name	IGP30N65F5	Issued	24. February 2022
MA#	MA005708945		
Package	PG-TO220-3-1	Weight*	2032.03 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	1.663	0.08	0.08	818	818
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	40.12	40.17	401240	401763
wire	non noble metal	aluminium	7429-90-5	7.675	0.38	0.38	3777	3777
encapsulation	organic material	carbon black	1333-86-4	5.929	0.29		2918	
	plastics	epoxy resin	-	112.653	5.54		55438	
	inorganic material	silicon dioxide	60676-86-0	474.327	23.34	29.17	233425	291781
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10562	10562
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.145	0.01		71	
	noble metal	silver	7440-22-4	0.363	0.02		179	
	non noble metal	tin	7440-31-5	0.943	0.05	0.08	464	714
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	29.01	29.05	290087	290464
*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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