



Material Content Data Sheet



Halogen-Free

Sales Product Name	IGP50N60T	Issued	24. June 2021
MA#	MA002167764		
Package	PG-TO220-3-1	Weight*	2034.18 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	5.465	0.27	0.27	2687	2687
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.07	40.12	400817	401338
wire	non noble metal	aluminium	7429-90-5	6.764	0.33	0.33	3325	3325
encapsulation	organic material	carbon black	1333-86-4	5.899	0.29		2900	
	plastics	epoxy resin	-	112.073	5.51		55095	
	inorganic material	silicondioxide	60676-86-0	471.885	23.20	29.00	231979	289974
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10551	10551
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	0.375	0.02		185	
	noble metal	silver	7440-22-4	0.939	0.05		461	
	non noble metal	tin	7440-31-5	2.440	0.12	0.19	1200	1846
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	28.98	29.02	289781	290158
*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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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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