



Material Content Data Sheet



Halogen-Free

Sales Product Name	BUZ30A H	Issued	17. February 2022
MA#	MA005698263		
Package	PG-TO220-3-1	Weight*	2034.72 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	10.242	0.50	0.50	5034	5034
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	40.08	40.13	400710	401231
wire	non noble metal	aluminium	7429-90-5	3.388	0.17	0.17	1665	1665
encapsulation	organic material	carbon black	1333-86-4	5.881	0.29		2890	
	plastics	epoxy resin	-	111.739	5.49		54916	
	inorganic material	silicondioxide	60676-86-0	470.479	23.12	28.90	231225	289031
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10548	10548
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	0.466	0.02		229	
	noble metal	silver	7440-22-4	1.164	0.06		572	
	non noble metal	tin	7440-31-5	3.028	0.15	0.23	1488	2289
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	28.97	29.01	289704	290081
*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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