



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLE4271-2	Issued	01. May 2021
MA#	MA000723258		
Package	PG-TO220-7-11	Weight*	2154.32 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	4.930	0.23	0.23	2288	2288
leadframe	inorganic material	phosphorus	7723-14-0	0.272	0.01		126	
	non noble metal	iron	7439-89-6	0.908	0.04		421	
	non noble metal	copper	7440-50-8	906.793	42.09	42.14	420918	421465
wire	non noble metal	aluminium	7429-90-5	0.506	0.02	0.02	235	235
encapsulation	organic material	carbon black	1333-86-4	1.256	0.06		583	
	plastics	epoxy resin	-	57.778	2.68		26820	
	inorganic material	silicondioxide	60676-86-0	568.991	26.41	29.15	264117	291520
leadfinish	non noble metal	tin	7440-31-5	23.005	1.07	1.07	10679	10679
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.216	0.01	0.01	100	101
solder	non noble metal	tin	7440-31-5	0.122	0.01		56	
	noble metal	silver	7440-22-4	0.152	0.01		71	
	non noble metal	lead	7439-92-1	5.806	0.27	0.29	2695	2822
heatspreader	inorganic material	phosphorus	7723-14-0	0.175	0.01		81	
	non noble metal	iron	7439-89-6	0.584	0.03		271	
	non noble metal	copper	7440-50-8	582.824	27.05	27.09	270538	270890
*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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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