



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TLE5206-2S	<b>Issued</b>	05. May 2021
<b>MA#</b>	MA001209624		
<b>Package</b>	PG-TO220-7-12	<b>Weight*</b>	2125.07 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	11.039	0.52	0.52	5195	5195
leadframe	inorganic material	phosphorus	7723-14-0	0.272	0.01		128	
	non noble metal	iron	7439-89-6	0.908	0.04		427	
	non noble metal	copper	7440-50-8	906.793	42.67	42.72	426712	427267
wire	non noble metal	aluminium	7429-90-5	3.414	0.16	0.16	1607	1607
encapsulation	inorganic material	zinc oxide	1314-13-2	5.865	0.28		2760	
	miscellaneous	miscellaneous	-	23.458	1.10		11039	
	plastics	epoxy resin	-	87.968	4.14		41395	
	inorganic material	silicon dioxide	60676-86-0	469.160	22.08	27.60	220774	275968
lead finish	non noble metal	tin	7440-31-5	23.005	1.08	1.08	10826	10826
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.216	0.01	0.01	101	102
solder	non noble metal	tin	7440-31-5	0.188	0.01		88	
	noble metal	silver	7440-22-4	0.235	0.01		110	
	non noble metal	lead	7439-92-1	8.965	0.42	0.44	4219	4417
heatspreader	inorganic material	phosphorus	7723-14-0	0.175	0.01		82	
	non noble metal	iron	7439-89-6	0.584	0.03		275	
	non noble metal	copper	7440-50-8	582.824	27.43	27.47	274261	274618
*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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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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