

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE5109A16 E1210	**Issued**	1. August 2018
MA#	MA001703544		
Package	PG-TDSO-16-1	**Weight***	67.88 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	0.681	1.00	1.00	10034	10034
leadframe	inorganic material	silicon	7440-21-3	0.007	0.01		96	
	non noble metal	titanium	7440-32-6	0.033	0.05		479	
	non noble metal	chromium	7440-47-3	0.098	0.14		1437	
	non noble metal	copper	7440-50-8	32.380	47.70	47.90	477028	479040
wire	noble metal	gold	7440-57-5	0.119	0.18	0.18	1760	1760
encapsulation	organic material	carbon black	1333-86-4	0.065	0.10		955	
	plastics	epoxy resin	-	3.500	5.16		51563	
	inorganic material	silicondioxide	60676-86-0	28.843	42.49	47.75	424916	477434
leadfinish	non noble metal	tin	7440-31-5	1.198	1.76	1.76	17643	17643
plating	noble metal	silver	7440-22-4	0.840	1.24	1.24	12378	12378
glue	plastics	epoxy resin	-	0.029	0.04		428	
	plastics	acrylic resin	-	0.029	0.04		428	
	inorganic material	silicondioxide	60676-86-0	0.058	0.09	0.17	855	1711
*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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