

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	6ED2231S12T	**Issued**	23. September 2022
MA#	MA005850814		
Package	PG-DSO-24-21	**Weight***	807.68 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	6.694	0.829	0.829	8288	8288
leadframe	inorganic material	phosphorus	7723-14-0	0.064	0.008	26.351	79	263513
	non noble metal	zinc	7440-66-6	0.255	0.032		316	
	non noble metal	iron	7439-89-6	5.108	0.632		6324	
	non noble metal	copper	7440-50-8	207.406	25.679		256793	
wire	noble metal	gold	7440-57-5	0.769	0.095	0.095	952	952
encapsulation	organic material	carbon black	1333-86-4	1.731	0.214	71.459	2144	714595
	plastics	epoxy resin	-	67.528	8.361		83608	
	inorganic material	silicondioxide	60676-86-0	507.903	62.884		628843	
leadfinish	noble metal	palladium	7440-05-3	0.001	0.000	0.195	1	1955
	noble metal	silver	7440-22-4	0.001	0.000		1	
	noble metal	gold	7440-57-5	0.002	0.000		2	
	non noble metal	nickel	7440-02-0	1.575	0.195		1950	
plating	noble metal	silver	7440-22-4	0.004	0.000	0.836	5	8359
	noble metal	palladium	7440-05-3	0.004	0.001		5	
	noble metal	gold	7440-57-5	0.007	0.001		8	
	non noble metal	nickel	7440-02-0	6.737	0.834		8341	
glue	inorganic material	copperoxide	1317-38-0	0.047	0.006	0.234	58	2339
	miscellaneous	miscellaneous	-	0.057	0.007		70	
	plastics	epoxy resin	-	0.331	0.041		409	
	noble metal	silver	7440-22-4	1.455	0.180		1801	
*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 does not use any exemption.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com