

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	6ED2231S12T	**Issued**	23. September 2022
MA#	MA005734087		
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:

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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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