

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	2ED020I12-F2	**Issued**	08. February 2022
MA#	MA004091404		
Package	PG-DSO-36-60	**Weight***	614.37 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	1.477	0.24	0.24	2404	2404
chip_2	inorganic material	silicon	7440-21-3	1.477	0.24	0.24	2404	2404
chip_3	inorganic material	silicon	7440-21-3	3.071	0.50	0.50	4999	4999
chip_4	inorganic material	silicon	7440-21-3	3.071	0.50	0.50	4999	4999
leadframe	inorganic material	phosphorus	7723-14-0	0.052	0.01		84	
	non noble metal	zinc	7440-66-6	0.207	0.03		337	
	non noble metal	iron	7439-89-6	4.146	0.67		6748	
	non noble metal	copper	7440-50-8	168.346	27.40	28.11	274015	281184
wire	noble metal	gold	7440-57-5	1.255	0.20	0.20	2043	2043
encapsulation	organic material	carbon black	1333-86-4	1.261	0.21		2053	
	plastics	epoxy resin	-	49.182	8.01		80053	
	inorganic material	silicondioxide	60676-86-0	369.914	60.22	68.44	602106	684212
leadfinish	noble metal	palladium	7440-05-3	0.001			2	
	noble metal	silver	7440-22-4	0.001			2	
	noble metal	gold	7440-57-5	0.002			3	
	non noble metal	nickel	7440-02-0	1.865	0.30	0.30	3035	3042
plating	noble metal	silver	7440-22-4	0.003			4	
	noble metal	palladium	7440-05-3	0.003			5	
	noble metal	gold	7440-57-5	0.005			8	
	non noble metal	nickel	7440-02-0	4.768	0.78	0.78	7761	7778
glue	inorganic material	copperoxide	1317-38-0	0.107	0.02		173	
	miscellaneous	miscellaneous	-	0.128	0.02		208	
	plastics	epoxy resin	-	0.746	0.12		1214	
	noble metal	silver	7440-22-4	3.281	0.53	0.69	5340	6935
*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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