

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAF-C515C-8EM CA	**Issued**	02. June 2021
MA#	MA001821674		
Package	PG-MQFP-80-10	**Weight***	1006.67 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	34.711	3.45	3.45	34481	34481
leadframe	inorganic material	phosphorus	7723-14-0	0.078	0.01		78	
	non noble metal	zinc	7440-66-6	0.313	0.03		311	
	non noble metal	iron	7439-89-6	6.269	0.62		6227	
	non noble metal	copper	7440-50-8	254.541	25.29	25.95	252854	259470
wire	noble metal	gold	7440-57-5	1.754	0.17	0.17	1742	1742
encapsulation	organic material	carbon black	1333-86-4	2.027	0.20		2014	
	plastics	epoxy resin	-	85.829	8.53		85260	
	inorganic material	silicondioxide	60676-86-0	587.962	58.40	67.13	584065	671339
leadfinish	noble metal	palladium	7440-05-3	0.003			3	
	noble metal	silver	7440-22-4	0.002			2	
	noble metal	gold	7440-57-5	0.004			4	
	non noble metal	nickel	7440-02-0	4.098	0.41	0.41	4071	4080
plating	noble metal	silver	7440-22-4	0.012			12	
	noble metal	gold	7440-57-5	0.023			22	
	noble metal	palladium	7440-05-3	0.014			14	
	non noble metal	nickel	7440-02-0	22.727	2.26	2.26	22576	22624
glue	plastics	epoxy resin	-	1.577	0.16		1566	
	noble metal	silver	7440-22-4	4.730	0.47	0.63	4698	6264
*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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