

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	XMC1302-Q024X0032 AB	**Issued**	02. June 2021
MA#	MA001467556		
Package	PG-VQFN-24-19	**Weight***	42.45 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	1.634	3.85	3.85	38504	38504
leadframe	inorganic material	phosphorus	7723-14-0	0.005	0.01		125	
	non noble metal	zinc	7440-66-6	0.021	0.05		499	
	non noble metal	iron	7439-89-6	0.423	1.00		9971	
	non noble metal	copper	7440-50-8	17.185	40.49	41.55	404876	415471
wires	noble metal	palladium	7440-05-3	0.001			34	
	non noble metal	copper	7440-50-8	0.142	0.33	0.33	3346	3380
encapsulation	organic material	carbon black	1333-86-4	0.065	0.15		1540	
	plastics	epoxy resin	-	3.422	8.06		80614	
	inorganic material	silicondioxide	60676-86-0	18.307	43.15	51.36	431310	513464
leadfinish	noble metal	palladium	7440-05-3	0.000			4	
	noble metal	silver	7440-22-4	0.000			4	
	noble metal	gold	7440-57-5	0.000			6	
	non noble metal	nickel	7440-02-0	0.277	0.65	0.65	6534	6548
plating	noble metal	silver	7440-22-4	0.000			4	
	noble metal	palladium	7440-05-3	0.000			5	
	noble metal	gold	7440-57-5	0.000			8	
	non noble metal	nickel	7440-02-0	0.347	0.82	0.82	8184	8201
glue	plastics	bismaleimide resin	-	0.123	0.29		2886	
	noble metal	silver	7440-22-4	0.490	1.15	1.44	11546	14432
*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.

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