

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	XMC4400-F100K512 BA	**Issued**	01. April 2021
MA#	MA001499314		
Package	PG-LQFP-100-25	**Weight***	668.71 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	27.653	4.14	4.14	41353	41353
leadframe	non noble metal	magnesium	7439-95-4	0.228	0.03		341	
	inorganic material	silicon	7440-21-3	0.988	0.15		1477	
	non noble metal	nickel	7440-02-0	4.559	0.68		6818	
	non noble metal	copper	7440-50-8	146.196	21.86	22.72	218625	227261
wires	noble metal	gold	7440-57-5	0.002			3	
	noble metal	palladium	7440-05-3	0.043	0.01		65	
	non noble metal	copper	7440-50-8	1.919	0.29	0.30	2869	2937
encapsulation	organic material	carbon black	1333-86-4	1.416	0.21		2118	
	plastics	epoxy resin	-	55.242	8.26		82609	
	inorganic material	silicondioxide	60676-86-0	415.492	62.14	70.61	621336	706063
leadfinish	non noble metal	tin	7440-31-5	7.046	1.05	1.05	10537	10537
plating	noble metal	silver	7440-22-4	1.213	0.18	0.18	1814	1814
glue	plastics	epoxy resin	-	1.476	0.22		2208	
	noble metal	silver	7440-22-4	5.234	0.78	1.00	7827	10035
*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.

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