

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	XMC4500-F100K1024 AC	**Issued**	03. February 2022
MA#	MA001619350		
Package	PG-LQFP-100-25	**Weight***	670.27 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	36.527	5.45	5.45	54496	54496
leadframe	non noble metal	magnesium	7439-95-4	0.228	0.03		340	
	inorganic material	silicon	7440-21-3	0.988	0.15		1474	
	non noble metal	nickel	7440-02-0	4.559	0.68		6802	
	non noble metal	copper	7440-50-8	146.196	21.81	22.67	218116	226732
wires	noble metal	palladium	7440-05-3	0.017			25	
	non noble metal	copper	7440-50-8	1.691	0.25	0.25	2523	2548
encapsulation	organic material	carbon black	1333-86-4	1.392	0.21		2076	
	plastics	epoxy resin	-	54.278	8.10		80980	
	inorganic material	silicondioxide	60676-86-0	408.247	60.91	69.22	609082	692138
leadfinish	non noble metal	tin	7440-31-5	7.046	1.05	1.05	10513	10513
plating	noble metal	silver	7440-22-4	1.213	0.18	0.18	1809	1809
glue	plastics	epoxy resin	-	1.735	0.26		2588	
	noble metal	silver	7440-22-4	6.150	0.92	1.18	9176	11764
*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.
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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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