



Material Content Data Sheet



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:

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