



## Material Content Data Sheet



<b>Sales Product Name</b>				XMC4500-F100K1024 AC		<b>Issued</b>		27. September 2017	
<b>MA#</b>				MA001332122					
<b>Package</b>				PG-LQFP-100-25		<b>Weight*</b>		670.36 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	54488	54488	
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		6801		
wire	non noble metal	copper	7440-50-8	146.196	21.81	22.67	218085	226700	
	noble metal	gold	7440-57-5	0.002	0.00		3		
	noble metal	palladium	7440-05-3	0.038	0.01		56		
encapsulation	non noble metal	copper	7440-50-8	1.676	0.25	0.26	2500	2559	
	organic material	carbon black	1333-86-4	1.392	0.21		2076		
	plastics	epoxy resin	-	54.278	8.10		80969		
	inorganic material	silicondioxide	60676-86-0	408.247	60.89	69.20	608994	692039	
leadfinish	non noble metal	tin	7440-31-5	7.134	1.06	1.06	10642	10642	
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	9175	11763	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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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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