



Material Content Data Sheet



Sales Product Name				XMC4700-F100F2048 AA		Issued		25. January 2018	
MA#				MA001499436					
Package				PG-LQFP-100-25		Weight*		670.82 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	40.070	5.97	5.97	59734	59734	
leadframe	non noble metal	magnesium	7439-95-4	0.228	0.03		340		
	inorganic material	silicon	7440-21-3	0.988	0.15		1473		
wire	non noble metal	nickel	7440-02-0	4.559	0.68		6796		
	non noble metal	copper	7440-50-8	146.196	21.79	22.65	217937	226546	
	noble metal	gold	7440-57-5	0.002	0.00		2		
encapsulation	noble metal	palladium	7440-05-3	0.034	0.00		50		
	non noble metal	copper	7440-50-8	1.489	0.22	0.22	2219	2271	
	organic material	carbon black	1333-86-4	1.382	0.21		2060		
leadfinish	plastics	epoxy resin	-	53.898	8.03		80347		
	inorganic material	silicondioxide	60676-86-0	405.385	60.45	68.69	604317	686724	
plating	non noble metal	tin	7440-31-5	7.046	1.05	1.05	10504	10504	
glue	noble metal	silver	7440-22-4	1.213	0.18	0.18	1808	1808	
	plastics	epoxy resin	-	1.832	0.27		2731		
*deviation	< 10%			6.495	0.97	1.24	9682	12413	
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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