

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	XMC1302-T028X0200 AB	**Issued**	1. August 2018
MA#	MA001798362		
Package	PG-TSSOP-28-16	**Weight***	105.96 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	1.226	1.16	1.16	11567	11567
leadframe	inorganic material	phosphorus	7723-14-0	0.010	0.01		96	
	non noble metal	zinc	7440-66-6	0.041	0.04		385	
	non noble metal	iron	7439-89-6	0.815	0.77		7694	
	non noble metal	copper	7440-50-8	33.103	31.24	32.06	312397	320572
wire	noble metal	palladium	7440-05-3	0.002	0.00		18	
	non noble metal	copper	7440-50-8	0.189	0.18	0.18	1782	1800
encapsulation	organic material	carbon black	1333-86-4	0.203	0.19		1914	
	plastics	epoxy resin	-	7.908	7.46		74634	
	inorganic material	silicondioxide	60676-86-0	59.483	56.14	63.79	561348	637896
leadfinish	non noble metal	tin	7440-31-5	1.539	1.45	1.45	14528	14528
plating	noble metal	silver	7440-22-4	1.002	0.95	0.95	9454	9454
glue	plastics	epoxy resin	-	0.111	0.10		1046	
	noble metal	silver	7440-22-4	0.332	0.31	0.41	3137	4183
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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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