



Material Content Data Sheet



Sales Product Name	SAL-TC233L-32F200F AC			Issued		30. July 2019		
MA#	MA003773080							
Package	PG-TQFP-100-23			Weight*		698.65 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	23.351	3.34	3.34	33423	33423
leadframe	inorganic material	phosphorus	7723-14-0	0.056	0.01		80	
	non noble metal	zinc	7440-66-6	0.223	0.03		319	
	non noble metal	iron	7439-89-6	4.458	0.64		6381	
	non noble metal	copper	7440-50-8	181.029	25.91	26.59	259112	265892
wires	noble metal	gold	7440-57-5	0.002	0.00		2	
	noble metal	palladium	7440-05-3	0.033	0.00		47	
	non noble metal	copper	7440-50-8	1.466	0.21	0.21	2098	2147
encapsulation	organic material	carbon black	1333-86-4	1.408	0.20		2015	
	plastics	epoxy resin	-	59.588	8.53		85290	
	inorganic material	silicondioxide	60676-86-0	408.203	58.45	67.18	584270	671575
leadfinish	noble metal	palladium	7440-05-3	0.003	0.00		4	
	noble metal	silver	7440-22-4	0.003	0.00		4	
	noble metal	gold	7440-57-5	0.005	0.00		7	
	non noble metal	nickel	7440-02-0	4.642	0.66	0.66	6645	6660
plating	noble metal	silver	7440-22-4	0.005	0.00		7	
	noble metal	palladium	7440-05-3	0.005	0.00		8	
	noble metal	gold	7440-57-5	0.009	0.00		12	
	non noble metal	nickel	7440-02-0	8.662	1.24	1.24	12399	12426
glue	plastics	epoxy resin	-	1.211	0.17		1733	
	noble metal	silver	7440-22-4	4.292	0.61	0.78	6144	7877
*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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