

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAF-C165-LM 3V HA	**Issued**	4. July 2019
MA#	MA001198934		
Package	PG-MQFP-100-2	**Weight***	1787.07 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	17.388	0.97	0.97	9730	9730
leadframe	non noble metal	magnesium	7439-95-4	0.538	0.03		301	
	inorganic material	silicon	7440-21-3	2.331	0.13		1304	
	non noble metal	nickel	7440-02-0	10.756	0.60		6019	
	non noble metal	copper	7440-50-8	344.917	19.30	20.06	193007	200631
wire	noble metal	gold	7440-57-5	3.585	0.20	0.20	2006	2006
encapsulation	organic material	carbon black	1333-86-4	6.911	0.39		3867	
	plastics	epoxy resin	-	200.406	11.21		112142	
	inorganic material	silicondioxide	60676-86-0	1174.795	65.75	77.35	657387	773396
leadfinish	non noble metal	tin	7440-31-5	19.520	1.09	1.09	10923	10923
plating	noble metal	silver	7440-22-4	1.857	0.10	0.10	1039	1039
glue	plastics	epoxy resin	-	1.016	0.06		569	
	noble metal	silver	7440-22-4	3.048	0.17	0.23	1706	2275
*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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