

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-C167CS-L33M CA+	**Issued**	20. July 2018
MA#	MA001395346		
Package	PG-MQFP-144-11	**Weight***	4195.91 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	36.251	0.86	0.86	8640	8640
leadframe	non noble metal	magnesium	7439-95-4	0.976	0.02		232	
	inorganic material	silicon	7440-21-3	4.227	0.10		1007	
	non noble metal	nickel	7440-02-0	19.510	0.46		4650	
	non noble metal	copper	7440-50-8	625.625	14.91	15.49	149104	154993
wire	noble metal	gold	7440-57-5	2.494	0.06	0.06	594	594
encapsulation	organic material	carbon black	1333-86-4	10.411	0.25		2481	
	plastics	epoxy resin	-	440.747	10.50		105042	
	inorganic material	silicondioxide	60676-86-0	3019.293	71.98	82.73	719581	827104
leadfinish	non noble metal	tin	7440-31-5	19.304	0.46	0.46	4601	4601
plating	noble metal	silver	7440-22-4	10.582	0.25	0.25	2522	2522
glue	plastics	acrylic resin	-	1.297	0.03		309	
	noble metal	silver	7440-22-4	5.190	0.12	0.15	1237	1546
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com