



Material Content Data Sheet



Sales Product Name		SAF-C164CI-LM CA+		Issued		29. August 2013		
MA#		MA000983326						
Package		PG-MQFP-80-7		Weight*		974.39 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	20.746	2.13	2.13	21291	21291
leadframe	non noble metal	magnesium	7439-95-4	0.349	0.04		358	
	inorganic material	silicon	7440-21-3	1.511	0.16		1551	
	non noble metal	nickel	7440-02-0	6.975	0.72		7158	
	non noble metal	copper	7440-50-8	223.668	22.95	23.87	229547	238614
wire	noble metal	gold	7440-57-5	3.369	0.35	0.35	3457	3457
encapsulation	organic material	carbon black	1333-86-4	2.099	0.22		2155	
	plastics	epoxy resin	-	88.878	9.12		91214	
	inorganic material	silicondioxide	60676-86-0	608.848	62.48	71.82	624852	718221
leadfinish	non noble metal	tin	7440-31-5	9.487	0.97	0.97	9736	9736
plating	noble metal	silver	7440-22-4	3.927	0.40	0.40	4030	4030
glue	plastics	acrylic resin	-	0.906	0.09		930	
	noble metal	silver	7440-22-4	3.626	0.37	0.46	3721	4651
*deviation	< 10%			Sum in total:		100,00		1000000

Important Remarks:

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