



Material Content Data Sheet



Sales Product Name		BUZ31 H3046		Issued		27. September 2017		
MA#		MA000706484						
Package		PG-TO262-3-1		Weight*		1571.71 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	6.643	0.42	0.42	4227	4227
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		541	
	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	copper	7440-50-8	849.682	54.07	54.14	540612	541316
wire	non noble metal	aluminium	7429-90-5	16.457	1.05	1.05	10471	10471
encapsulation	organic material	carbon black	1333-86-4	5.725	0.36		3642	
	plastics	epoxy resin	-	108.767	6.92		69203	
	inorganic material	silicondioxide	60676-86-0	457.964	29.14	36.42	291381	364226
leadfinish	non noble metal	tin	7440-31-5	15.388	0.98	0.98	9790	9790
plating	non noble metal	nickel	7440-02-0	0.228	0.01		145	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	145
solder	non noble metal	antimony	7440-36-0	0.340	0.02		216	
	noble metal	silver	7440-22-4	0.849	0.05		540	
	non noble metal	tin	7440-31-5	2.208	0.14	0.21	1405	2161
heatspreader	non noble metal	iron	7439-89-6	0.106	0.01		68	
	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	copper	7440-50-8	106.210	6.76	6.77	67576	67664
*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