



Material Content Data Sheet



Sales Product Name		IGB30N60T		Issued		29. August 2013		
MA#		MA000960982						
Package		PG-TO263-3-2		Weight*		1558.20 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	2.481	0.16	0.16	1592	1592
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		195	
	inorganic material	phosphorus	7723-14-0	0.091	0.01		59	
	non noble metal	copper	7440-50-8	304.026	19.51	19.54	195113	195367
wire	non noble metal	aluminium	7429-90-5	2.697	0.17	0.17	1731	1731
encapsulation	organic material	carbon black	1333-86-4	10.311	0.66		6617	
	plastics	epoxy resin	-	113.424	7.28		72792	
	inorganic material	silicondioxide	60676-86-0	563.683	36.18	44.12	361752	441161
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6197	6197
plating	non noble metal	nickel	7440-02-0	0.228	0.01		147	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	0	147
solder	noble metal	silver	7440-22-4	0.073	0.00		47	
	non noble metal	tin	7440-31-5	0.058	0.00		37	
	non noble metal	lead	7439-92-1	2.789	0.18	0.18	1790	1874
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		106	
	non noble metal	iron	7439-89-6	0.548	0.04		352	
	non noble metal	copper	7440-50-8	547.666	35.15	35.20	351473	351931
*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