



Material Content Data Sheet



Sales Product Name	SGW50N60HS			Issued		29. August 2013		
MA#	MA000263371							
Package	PG-TO247-3-21			Weight*		5999.90 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	9.844	0.16	0.16	1641	1641
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.82	8.83	88180	88294
wire	non noble metal	aluminium	7429-90-5	16.631	0.28	0.28	2772	2772
encapsulation	organic material	carbon black	1333-86-4	21.279	0.35		3547	
	inorganic material	antimonytrioxide	1309-64-4	44.493	0.74		7416	
	plastics	brominated resin	-	50.296	0.84		8383	
	plastics	epoxy resin	-	367.550	6.13		61259	
	inorganic material	silicondioxide	60676-86-0	1450.855	24.18	32.24	241813	322418
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5312	5312
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4844	4844
solder	non noble metal	antimony	7440-36-0	0.577	0.01		96	
	noble metal	silver	7440-22-4	1.443	0.02		241	
	non noble metal	tin	7440-31-5	3.752	0.06	0.09	625	962
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		172	
	non noble metal	iron	7439-89-6	3.442	0.06		574	
	non noble metal	copper	7440-50-8	3438.006	57.31	57.39	573011	573757
*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