

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPW24N60C3	**Issued**	06. April 2021
MA#	MA001671422		
Package	PG-TO247-3-44	**Weight***	6052.14 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	14.004	0.23	0.23	2314	2314
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87418	87532
wire	non noble metal	aluminium	7429-90-5	5.298	0.09	0.09	875	875
encapsulation	organic material	carbon black	1333-86-4	19.937	0.33		3294	
	plastics	epoxy resin	-	378.796	6.26		62589	
	inorganic material	silicondioxide	60676-86-0	1,594.931	26.35	32.94	263532	329415
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.599	0.01		99	
	noble metal	silver	7440-22-4	1.498	0.02		248	
	non noble metal	tin	7440-31-5	3.895	0.06	0.09	644	991
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.81	56.89	568064	568804
*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 Neubiberg
Internet	www.infineon.com