

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SKW25N120	**Issued**	21. March 2021
MA#	MA001179962		
Package	PG-TO247-3-44	**Weight***	6060.02 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	19.631	0.32	0.32	3240	3240
chip_2	inorganic material	silicon	7440-21-3	8.163	0.13	0.13	1347	1347
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87305	87418
wire	non noble metal	aluminium	7429-90-5	9.136	0.15	0.15	1508	1508
encapsulation	organic material	carbon black	1333-86-4	19.782	0.33		3264	
	plastics	epoxy resin	-	375.849	6.20		62021	
	inorganic material	silicondioxide	60676-86-0	1,582.520	26.11	32.64	261141	326426
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5260	5260
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4796	4796
solder	non noble metal	antimony	7440-36-0	1.176	0.02		194	
	noble metal	silver	7440-22-4	2.941	0.05		485	
	non noble metal	tin	7440-31-5	7.646	0.13	0.20	1262	1941
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3,438.006	56.73	56.81	567326	568064
*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.

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