



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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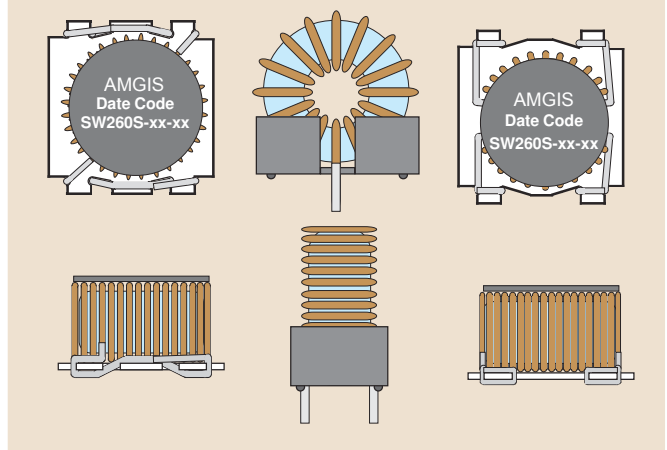
# AMGIS

## SW260 Series • Inductors for National's 260kHz Simple Switcher™

Compatible with National Semiconductor's Simple Switcher™  
Part Numbers LM267X-L41 and LM267X-L45 through LM267X-L50

### Features

- High energy storage with minimum saturation
- High stability from no load to full load
- Available in both SMD and THT versions
- Manufactured in ISO-9001:2000 approved facility
- Operating temperature range: -40°C to +130°C



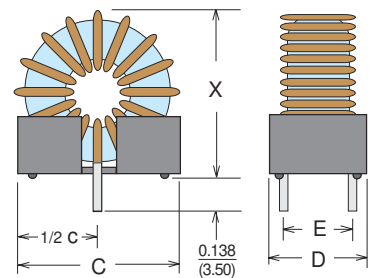
### Electrical Specifications at 25°C ambient

Part Number	National Part Number	Rated Current (I <sub>DC</sub> )	Inductance (μH) ±20%	ET <sub>OP</sub> (V-μSec) Max. @ 260kHz	DCR Nominal (mOhm)	Package Size	
						Package Code	Lead Dia. (mm)
SW260C-4.9-23	LM267X-L41	4.9	22.8	23.3	36	C3	0.80
SW260C-4.3-10	LM267X-L45	4.3	10.2	10.0	26	C1	0.75
SW260C-5.0-15	LM267X-L46	5.0	14.8	17.0	23	C2	0.80
SW260C-5.0-10	LM267X-L47	5.0	10	13.0	25	C2	0.75
SW260C-5.0-50	LM267X-L48	5.0	50	40.0	50	C4	0.90
SW260C-5.0-33	LM267X-L49	5.0	33	36.0	47	C4	0.80
SW260C-5.0-23	LM267X-L50	5.0	23	24.0	26	C3	0.80
SW260S-4.9-23	LM267X-L41	4.9	22.8	23.3	36	S6	
SW260S-4.3-10	LM267X-L45	4.3	10	10.0	26	S4	
SW260S-5.0-15	LM267X-L46	5.0	15	17.0	27	S5	
SW260S-5.0-10	LM267X-L47	5.0	11	13.0	25	S5	
SW260S-5.0-50	LM267X-L48	5.0	52*	40.0	25	S7	
SW260S-5.0-33	LM267X-L49	5.0	36*	36.0	19	S7	
SW260S-5.0-23	LM267X-L50	5.0	24.7*	24.0	13	S7	

\* Note: Series connection with pins 2 - 4 connected

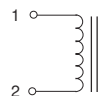
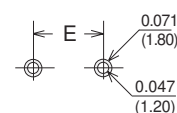
### Type SW260C - Clip Mount

Part Number	Size Code	Dimensions - Inches ±0.01 (mm ±0.25)				
		C	D	E	Coil OD	X = Coil OD +
SW260C-4.3-10	C1	0.580 (14.73)	0.340 (8.64)	0.220 (5.58)	0.605 (15.40)	0.110 (2.80)
SW260C-5.0-15	C2	0.650 (16.50)	0.449 (11.40)	0.299 (7.60)	0.640 (16.26)	0.110 (2.80)
SW260-5.0-10	C2	0.650 (16.50)	0.449 (11.40)	0.299 (7.60)	0.590 (15.00)	0.110 (2.80)
SW260C-4.9-23	C3	0.827 (21.00)	0.449 (11.40)	0.299 (7.60)	0.840 (21.34)	0.110 (2.80)
SW260C-5.0-23						
SW260C-5.0-50	C4	0.949 ((24.10)	0.598 (15.20)	0.449 (11.40)	1.240 (31.50)	0.110 (2.80)
SW260C-5.0-33						



Suggested Pad Layout

Schematic

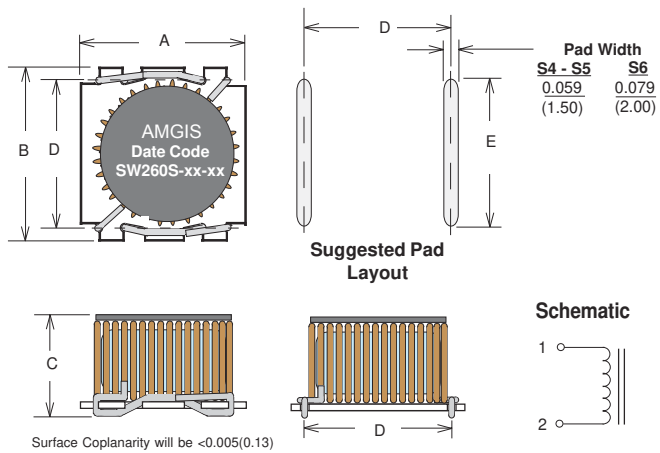


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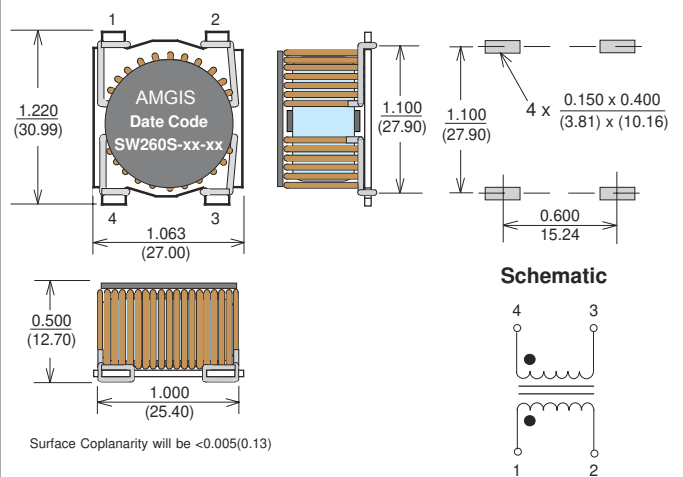
# Mounting Styles • SW260 Series • Low Cost Toroidal Inductors

## Type SW260S - Surface Mount

**S-4, S-5, S-6**



**S-7**



Mounting Style	Size Code	Dimensions - Inches $\pm 0.010$ (mm $\pm 0.25$ )				
		A	B	C	D	E
"S" SMD	S4	0.591 (15.0)	0.591 (15.0)	0.315 (8.00)	0.508 (12.9)	0.551 (14.0)
	S5	0.669 (17.0)	0.701 (17.8)	0.390 (9.91)	0.591 (15.0)	0.591 (15.0)
	S6	0.925 (23.5)	0.925 (23.5)	0.496 (12.6)	0.827 (21.0)	0.689 (17.5)

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