



SH260 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, TS-16949:2002 and ISO-14001:2004 certified Talema facility
- Meets lead free reflow level J-STD-020C
- Fully RoHS compliant



Electrical Specifications @ 25°C

Test voltage between windings: 500 Vrms

Operating temperature range: -40°C to +125°C

Climatic Category: IEC68-1 40/125/56

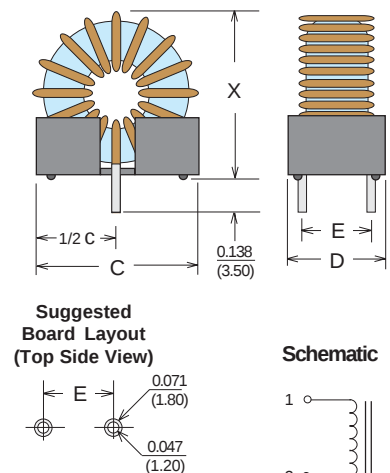
Test frequency: Inductance measured @ 10kHz / 10mV

Part Number	National Part Number	Rated Current (I _{DC})	Inductance (μH) ±20%	ET _{OP} (V·μSec) Max. @ 260kHz	DCR Nominal (mOhm)	Package Size	
						Package Code	Lead Dia. (mm)
SH260C-4.9-23	LM267X-L41	4.9	22.8	23.3	36	C3	0.80
SH260C-4.3-10	LM267X-L45	4.3	10.2	10.0	26	C1	0.75
SH260C-5.0-15	LM267X-L46	5.0	14.8	17.0	23	C2	0.80
SH260C-5.0-10	LM267X-L47	5.0	10	13.0	25	C2	0.75
SH260C-5.0-50	LM267X-L48	5.0	50	40.0	50	C4	0.90
SH260C-5.0-33	LM267X-L49	5.0	33	36.0	47	C4	0.80
SH260C-5.0-23	LM267X-L50	5.0	23	24.0	26	C3	0.80
SH260S-4.9-23	LM267X-L41	4.9	22.8	23.3	36	SH6A	
SH260S-4.3-10	LM267X-L45	4.3	10	10.0	26	S4	
SH260S-5.0-15	LM267X-L46	5.0	15	17.0	27	S5	
SH260S-5.0-10	LM267X-L47	5.0	11	13.0	25	S5	
SH260S-5.0-50	LM267X-L48	5.0	52*	40.0	25	SHC7	
SH260S-5.0-33	LM267X-L49	5.0	36*	36.0	19	SHC7	
SH260S-5.0-23	LM267X-L50	5.0	24.7*	24.0	13	SHC7	
SH260T-4.9-23	LM267X-L41	4.9	22.8	23.3	36	TH6A	
SH260T-4.3-10	LM267X-L45	4.3	10	10.0	26	T4	
SH260T-5.0-15	LM267X-L46	5.0	15	17.0	27	T5	
SH260T-5.0-10	LM267X-L47	5.0	11	13.0	25	T5	

* 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 +
SH260C-4.3-10	C1	0.580 (14.73)	0.340 (8.64)	0.220 (5.58)	0.605 (15.40)	0.110 (2.80)
SH260C-5.0-15	C2	0.650 (16.50)	0.449 (11.40)	0.299 (7.60)	0.640 (16.26)	0.110 (2.80)
SH260-5.0-10	C2	0.650 (16.50)	0.449 (11.40)	0.299 (7.60)	0.590 (15.00)	0.110 (2.80)
SH260C-4.9-23 SH260C-5.0-23	C3	0.827 (21.00)	0.449 (11.40)	0.299 (7.60)	0.840 (21.34)	0.110 (2.80)
SH260C-5.0-50 SH260C-5.0-33	C4	0.949 (24.10)	0.598 (15.20)	0.449 (11.40)	1.240 (31.50)	0.110 (2.80)



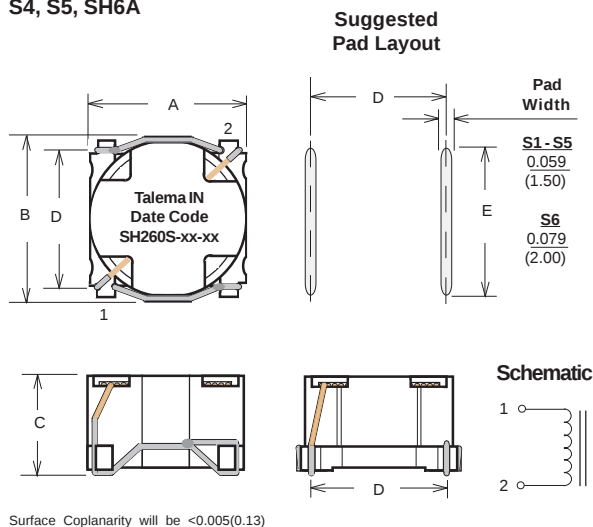
Germany: Int.+4989-841 00-0 • Ireland: Int.+35 374 - 954 8666 • USA: 1-800-413-6693 • India: Int.+91 427 - 244 1325

<http://www.alfamag.com>

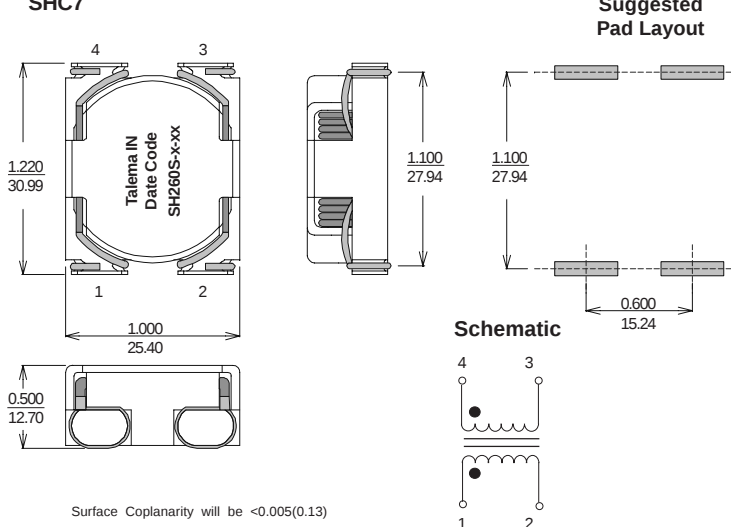
(02-07) SH260 Series

Mounting Styles • SH260 Series • Low Cost Toroidal Inductors

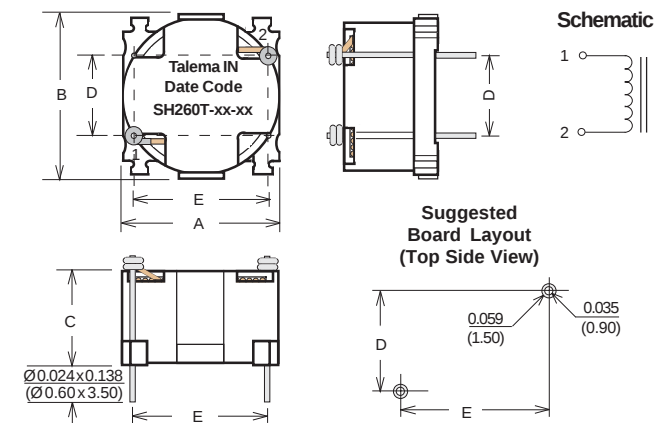
S4, S5, SH6A



SHC7



T4, T5, TH6A



Mounting Style	Size Code	Dimensions - Inches ± 0.010 (mm ± 0.25)				
		A	B	C	D	E
"S" SMD	S4	0.591 (15.0)	0.614 (15.6)	0.394 (10.0)	0.508 (12.9)	0.551 (14.0)
	S5	0.669 (17.0)	0.701 (17.8)	0.441 (11.2)	0.591 (15.0)	0.630 (16.0)
	SH6A	0.925 (23.5)	0.957 (24.3)	0.417 (10.6)	0.827 (21.0)	0.748 (19.0)
"T" THT	T4	0.591 (15.0)	0.614 (15.6)	0.358 (9.10)	0.300 (7.62)	0.500 (12.70)
	T5	0.669 (17.0)	0.701 (17.8)	0.409 (10.40)	0.600 (15.24)	0.500 (12.70)
	TH6A	0.925 (23.5)	0.957 (24.3)	0.386 (9.80)	0.650 (16.51)	0.800 (20.32)

Sales & Marketing, Design and Manufacturing Facilities

<http://www.talema-nuvotem.com>

USA, Canada & South America

AlfaMag Electronics, LLC
945 Parkwood Drive
Rolla, Missouri 65401
Tel: 1-800-413-6693
Fax: 573-364-5390
Email: support@alfamag.com
Web Site: www.alfamag.com

Germany

TALEMAELEKTRONIK GMBH
Sembdnerstr. 5, Postfach 2523
82110 Germering
Tel: Int. + 49 89 - 841 00 - 0
Fax: Int. + 49 89 - 841 00 25
Email: info@talema.de

Ireland

NUVOTEM TEO.
Crolla
Co. Donegal
Tel: Int. + 353 74 - 954 8666
Fax: Int. + 353 74 - 954 8139
Email: info@nuvotem.com

India

TALEMAELECTRONIC PVT. LTD.
Opposite the SIDCO Industrial Estate
Gins Towers
4/5S.H/1, Omalur Main Road
Salem - 636 004, Tamil Nadu
Tel: Int. + 91 427 - 244 1325
Fax: Int. + 91 427 - 243 0034
E-mail: talema@talemaindia.com
Web Site: www.talemaindia.com