

LODESTONE PACIFIC



Phone: (800) 694-8089
 www.lodestonepacific.com
 E-mail: sales@lodestonepacific.com

STM LC SERIES

Material: PPS
 (Black)

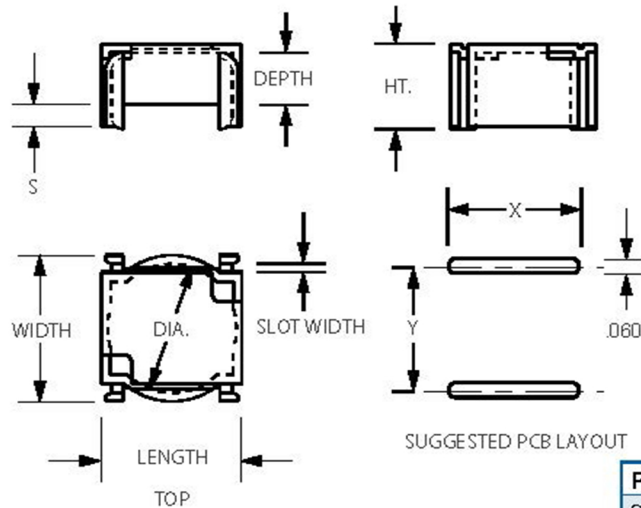
Rating: UL 94-VO

2 Terminals: Self Terminating

Package Method: Bulk in Poly Bags
 See RoHS compliant PVC packaging trays, or tape and reel options on page 57.

Application: The STM LC Series is for self leading surface mount low current inductors. The series will accommodate wound toroidal cores from .200 up to .610 in diameter and uses the toroid's winding leads to surface mount the toroid and case to the printed circuit board. The wound toroid's leads are held in position by the slots and channels incorporated in the mounting case.

This product is the patented property of Pulse Engineering Inc.



SUGGESTED PCB LAYOUT



± .010 inches
 [mm] Not to Scale

PART NO.	TRAY NO.
STM20LC-02	TY50x50-A
STM30LC-02	TY50x50-A
STM37LC-02	TY74x77-A
STM44LC-02	TY74x77-A
STM50LC-02	TY74x77-A

PART NO.	LENGTH	WIDTH	HT.	DIA.	DEPTH	S	SLOT	X	Y	RECOMMENDED WIRE SIZE
STM20LC-02	.330 [8.38]	.330 [8.38]	.240 [6.09]	.270 [6.85]	.135 [3.42]	.080 [2.03]	.024 [0.60]	.300 [7.62]	.270 [6.85]	#32 (.009) to #22 (.027)
STM30LC-02	.425 [10.79]	.430 [10.92]	.310 [7.87]	.375 [9.52]	.175 [4.44]	.100 [2.54]	.036 [0.91]	.400 [10.16]	.360 [9.14]	#32 (.009) to #20 (.034)
STM37LC-02	.545 [13.84]	.550 [13.97]	.310 [7.87]	.490 [12.44]	.175 [4.44]	.100 [2.54]	.036 [0.91]	.520 [13.20]	.460 [11.68]	#32 (.009) to #20 (.034)
STM44LC-02	.575 [14.60]	.600 [15.24]	.350 [8.89]	.530 [13.46]	.210 [5.33]	.100 [2.54]	.036 [0.91]	.550 [13.97]	.510 [12.95]	#30 (.011) to #20 (.034)
STM50LC-02	.650 [16.51]	.680 [17.27]	.350 [8.89]	.610 [15.49]	.210 [5.33]	.100 [2.54]	.036 [0.91]	.620 [15.74]	.590 [14.98]	#30 (.011) to #20 (.034)

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