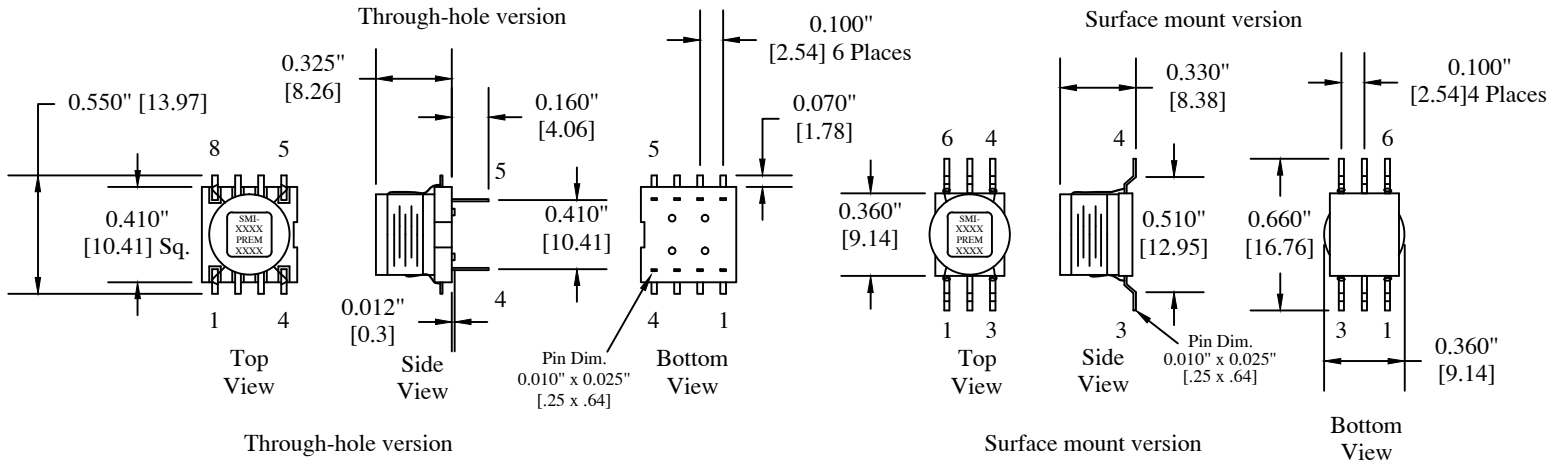


- ECONOMY INDUCTOR SERIES SUITABLE FOR SMPS AND RF APPLICATIONS.
- EXCELLENT PERFORMANCE IN A SMALL PACKAGE.
- LOW ABOVE BOARD HEIGHT (.350"/8.89mm MAXIMUM).
- WIDE RANGE OF INDUCTANCE VALUES 10  $\mu$ H - 1000 $\mu$ H AND HIGH CURRENT RATINGS 230mA - 2.1ADC.



Through-hole version

Surface mount version

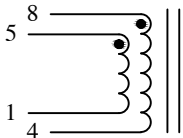
ELECTRICAL PARAMETERS			
PREM P/N	MAX. DCR Tie 5-8, 1-4	INDUCTANCE	DC AMPS
SMI-0010	0.080 $\Omega$	10.0 $\mu$ H	2.1A
SMI-0015	0.113 $\Omega$	15.0 $\mu$ H	1.74A
SMI-0022	0.159 $\Omega$	22.0 $\mu$ H	1.42A

ELECTRICAL PARAMETERS			
PREM P/N	MAX. DCR Tie 1-3, 4-6	INDUCTANCE	DC AMPS
SMI-0010	0.080 $\Omega$	10.0 $\mu$ H	2.1A
SMI-0015	0.113 $\Omega$	15.0 $\mu$ H	1.74A
SMI-0022	0.159 $\Omega$	22.0 $\mu$ H	1.42A

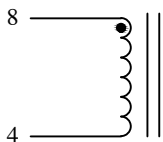
ELECTRICAL PARAMETERS			
PREM P/N	MAX. DCR	INDUCTANCE	DC AMPS
SMI-0033	0.201 $\Omega$	33.0 $\mu$ H	1.27A
SMI-0047	0.273 $\Omega$	47.0 $\mu$ H	1.09A
SMI-0056	0.349 $\Omega$	56.0 $\mu$ H	0.95A
SMI-0068	0.393 $\Omega$	68.0 $\mu$ H	0.90A
SMI-0082	0.437 $\Omega$	82.0 $\mu$ H	850mA
SMI-0100	0.600 $\Omega$	100.0 $\mu$ H	730mA
SMI-0150	0.904 $\Omega$	150.0 $\mu$ H	600mA
SMI-0180	1.018 $\Omega$	180.0 $\mu$ H	560mA
SMI-0220	1.156 $\Omega$	220.0 $\mu$ H	530mA
SMI-0270	1.580 $\Omega$	270.0 $\mu$ H	450mA
SMI-0330	1.833 $\Omega$	330.0 $\mu$ H	420mA
SMI-0390	2.347 $\Omega$	390.0 $\mu$ H	370mA
SMI-0470	2.673 $\Omega$	470.0 $\mu$ H	350mA
SMI-0560	2.946 $\Omega$	560.0 $\mu$ H	330mA
SMI-0680	4.050 $\Omega$	680.0 $\mu$ H	280mA
SMI-0820	4.547 $\Omega$	820.0 $\mu$ H	260mA
SMI-1000	6.136 $\Omega$	1000.0 $\mu$ H	230mA

Through-hole version  
SCHEMATIC

For SMI-0010,  
-0015, -0022

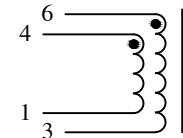


For SMI-0033  
through SMI-1000

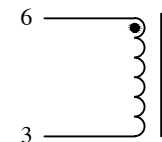


Surface mount version  
SCHEMATIC

For SMI-0010,  
-0015, -0022



For SMI-0033  
through SMI-1000



Mech - Elect  
SMI-0010 through SMI-1000

Notes

ALL DIMENSIONS  
FOR REFERENCE  
ONLY

[ ] = mm

-1 added mm 11/2010 TJK

**PREM**

MAGNETICS INCORPORATED  
3521 N. CHAPEL HILL RD.  
JOHNSBURG, IL 60051

Mech - Elect PREM  
PART #  
SMI-XXXX-X

Approved: TJK

Scale: NONE

Date: 10/23/2015