



SM76315 Transformer

FEATURES

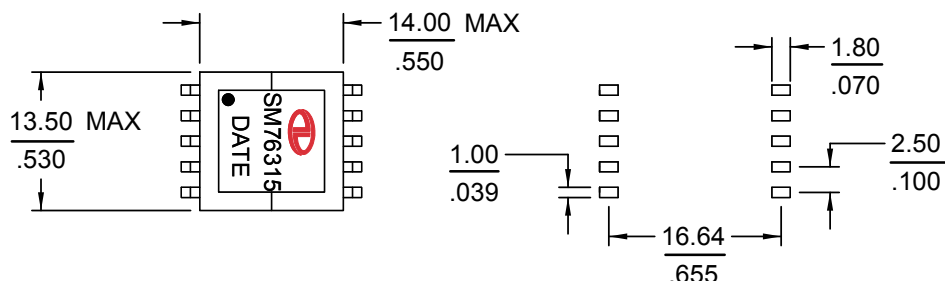
- Designed for use with Silicon Laboratories ProSlic® Devices Si3210M, Si3215M and Si3216M
- Operating Temperature Range -40°C to +125°C
- Isolation Voltage rating between primary and secondary: 500 VDC
- Peak current per primary winding (1-2) (2-3) (3-4): 2 amps



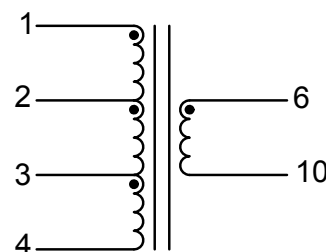
ELECTRICAL SPECIFICATIONS AT 25°C

OCL (1-4)	107μH ±10% @100kHz 0.1V
DCR (1-2)	0.080 Ω max.
DCR (2-3)	0.080 Ω max.
DCR (3-4)	0.080 Ω max.
DCR (6-10)	1.00 Ω max.
URNS RATIO	40:8:8:8 ±1% (6-10):(1-2):(2-3):(3-4)
POLARITY	6,1 SAME PHASE

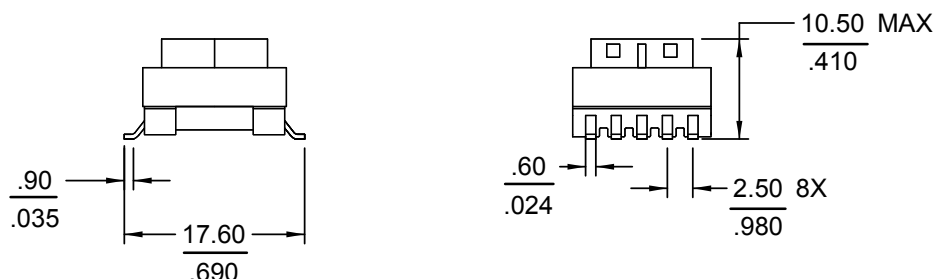
MECHANICAL DIMENSIONS



SUGGESTED PAD LAYOUT



Schematic



Notes:

- All dimensions are mm/inches
- Unless otherwise specified tolerance ±0.25/0.010
- Coplanarity: 0.102/0.004
- For non-RoHS parts replace SM prefix with 42- (e.g. SM76315 becomes 42-76315)
- Terminal finish is compliant to RoHS requirements. Solder in accordance with J-STD-020D