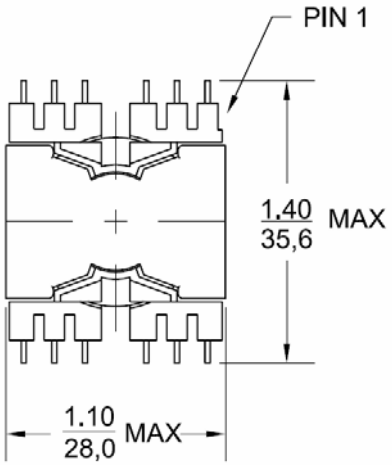
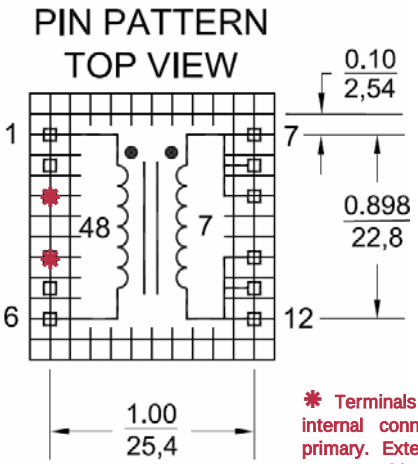
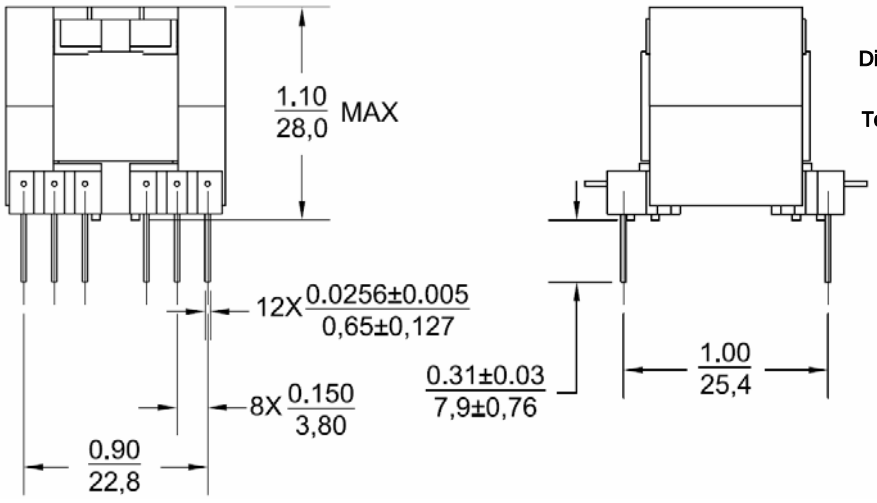
HYPER-XMT™ HXTF02005
FORWARD CONVERTER TRANSFORMER

- Designed for Forward Converters with 100kHz switching frequency
- Provides 100W (20V | 5A) output from 400VDC input
- Dissipation less than 1% of output
- 48:7 turns ratio
- Utilizes patent-pending Hyper-X Magnetic Technology™ winding optimization
- RoHS Compliant†





✱ Terminals 3 and 4 are used for internal connections of transformer primary. External circuit connections must provide appropriate isolation for these terminals.



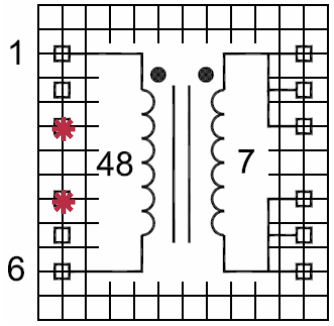
Dimensions: Inches
mm

Tolerances: ± 0.010" / 0,254mm unless otherwise specified.

TABTRONICS

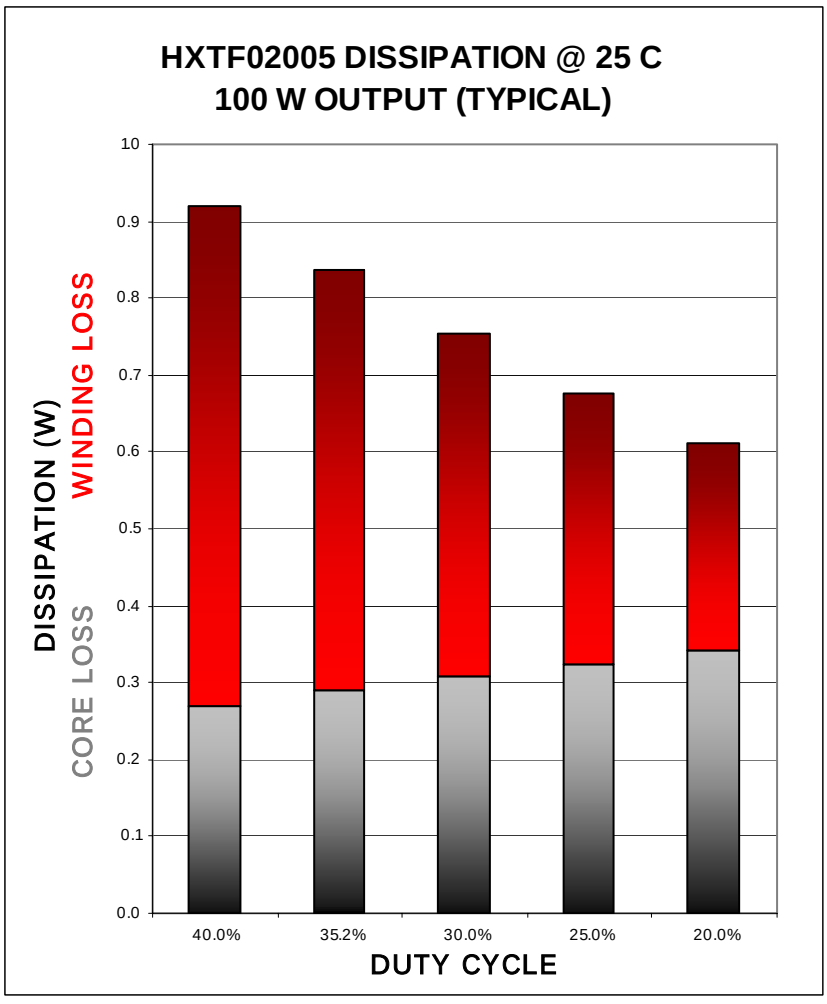
thinking big. designing small. **magnetics to the highest power.**

HYPER-XMT™ HXTF02005
FORWARD CONVERTER TRANSFORMER



ELECTRICAL SPECIFICATIONS (@ +25ºC)‡:

DCR: Primary (1-6) = 1.360 Ω Max
Secondary (7,8,9 - 10,11,12) = 0.038 Ω Max
OCL: Primary (1-6) = 15mH Min @ 100kHz
SRF: 250 kHz Min
LEAKAGE IND: 11µH Max @ 100kHz
ET: Primary (1-6) = 2500 VµS Min (unidirectional)
DWV: 2500 V_{RMS} Primary - Secondary
2500 V_{RMS} Winding to Core
OPERATING TEMPERATURE: -40°C to +125°C



† *RoHS compliant version designated HXTF02005R.*
‡ *Contact Tabtronics for application specific installation recommendations.*

Working together, we will be surprisingly powerful.

We look forward to your call or email and invite you to learn more about our people, products, technologies, and philosophies at www.tabtronics.com.

About Tabtronics, Inc.

Tabtronics specializes in creating and commercializing advanced technology for electromagnetic components. The company's technology is relied upon by military, avionics, and high technology customers.

Tabtronics has 25 years experience in direct manufacture of electromagnetic components, and also licenses its technology to other manufacturers and system integrators. The firm's continuing focus is the development of innovative methods to provide efficient power through smaller components.

TABTRONICS
thinking big, designing small, magnetics to the highest power.

P.O. Box 128
Geneseo, New York
14454-0128

toll-free: 888-876-6424
voice: 585-243-4331
fax: 585-243-3831
e-mail: HXTF02005@tabtronics.com
www.tabtronics.com

Certified ISO 9001 : 2000 by BVQI