



LTM-110A Line Interface 56kbps Modem Transformer

Features

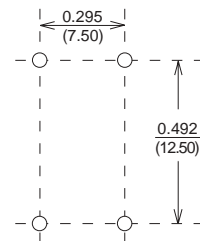
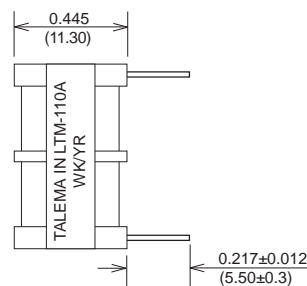
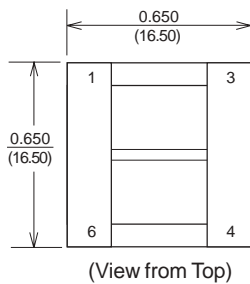
- designed for V.90 applications (56kbps)
- very low distortion
- wide frequency range with flat response
- meets IEC 60950 Supplementary Insulation levels, 1500V min.
- excellent quality at competitive price due to high volume production
- manufactured in ISO-9001:2000 approved Talema facility



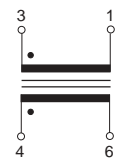
Electrical Specifications @ 25°C • Operating Temperature -40° to +85°C

Parameter	Conditions	Typical	Limit	Units
Frequency Response	200 - 4000Hz	±0.5	-	dB
Insertion Loss	2000Hz, RL600 Ohms	1.0	1.5 max	dB
Return Loss	200 - 4000Hz	22	18 min	dB
THD	150Hz, -3dBm	-70	-	dB
THD	200Hz, -10dBm	-85	-	dB
DC Resistance	per winding	70	±10%	Ohms
Inductance	1000Hz, 1V	6.0	-	H
Leakage Inductance	1000Hz, 1V	17	-	mH
Turns Ratio		1:1	±2%	-

Mechanical Dimensions & Pinout

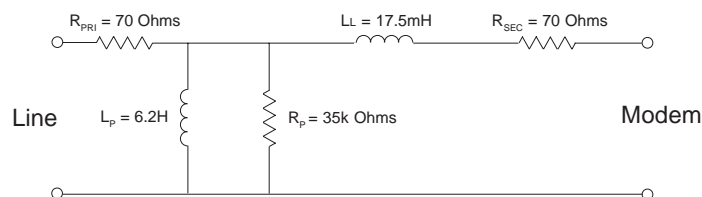


Schematic



Dimensions are max. unless otherwise stated: Inches(Millimeters)
Pinout spacings are nominal. Pins: 0.026 x 0.018 (0.66x0.45)

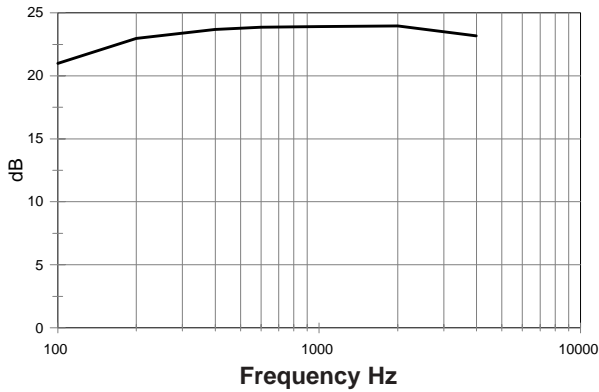
Equivalent Circuit: (Referenced to Primary @ 1V, 1kHz)



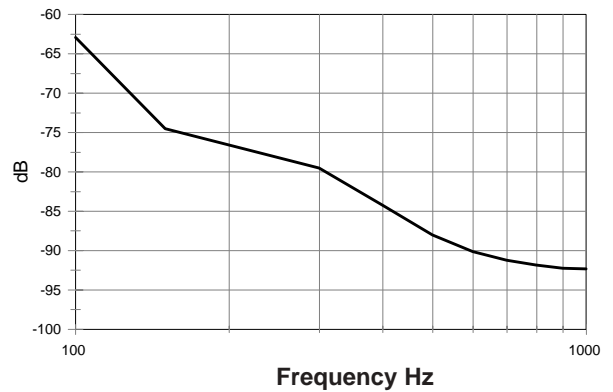
LTM-110A Line Interface 56kbps Modem Transformer

PERFORMANCE DATA

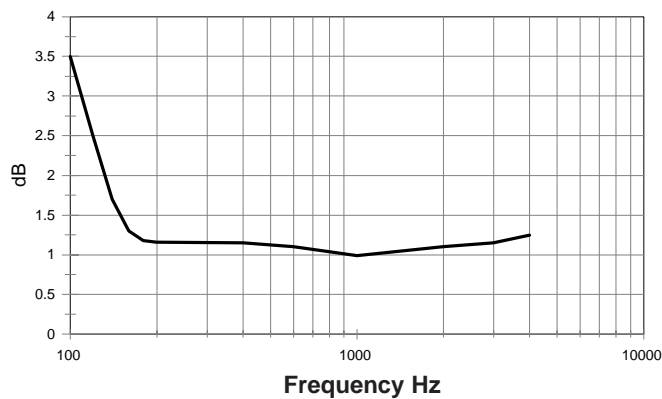
**Return Loss
Typical**



**Total Harmonic Distortion
Typical**



**Insertion Loss
Typical**



Sales & Marketing, Design and Manufacturing Facilities

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

Eastern Europe & Czech Republic

NT MAGNETICS s.r.o.
Chebská 27
322 00 Plzeň
Tel: Int. + 420 37 - 744 9303
Fax: Int. + 420 37 - 744 3697
Email: talema@talema.cz

Germany

TALEMA ELEKTRONIK 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.
Crolly
Co. Donegal
Tel: Int. + 353 74 - 954 8666
Fax: Int. + 353 74 - 954 8139
Email: info@nuvotem.com

India

TALEMA ELECTRONIC 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