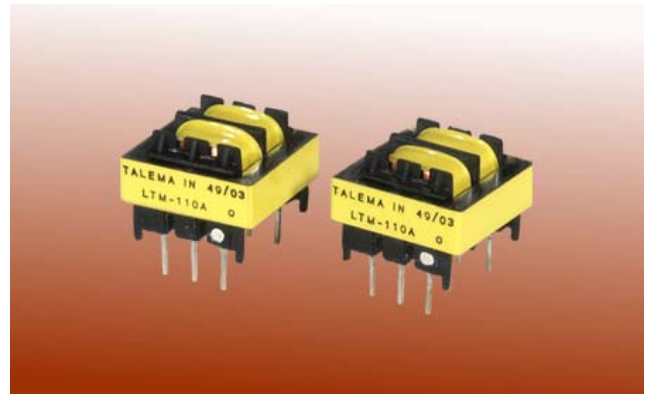




LTM-110A Line Interface 56kbps Modem Transformer

Features

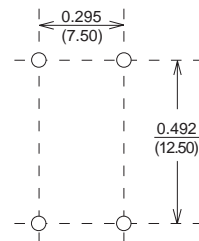
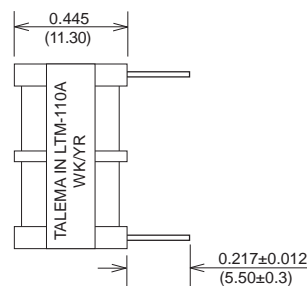
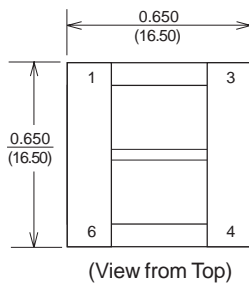
- designed for V.90 applications (56kbps)
- very low distortion
- wide frequency range with flat response
- meets IEC 60950 Supplementary Insulation levels, 1500V min.
- excellent quality at competitive price due to high volume production
- manufactured in an ISO-9001:2000, TS-16949:2002 and ISO-14001:2004 certified Talema facility
- fully RoHS compliant



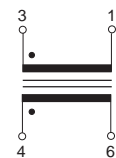
Electrical Specifications @ 25°C • Operating Temperature -40° to +85°C

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

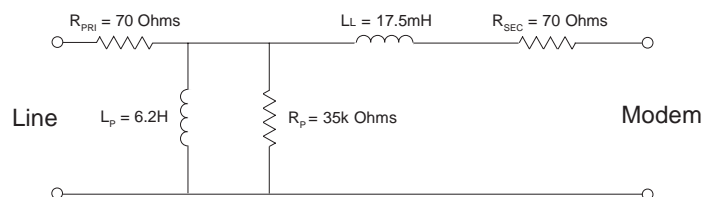


Schematic



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

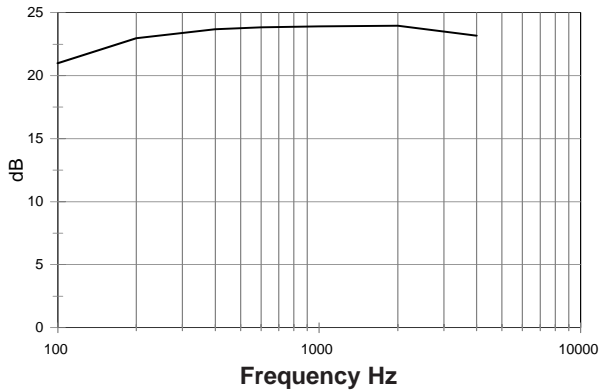
Equivalent Circuit: (Referenced to Primary @ 1V, 1kHz)



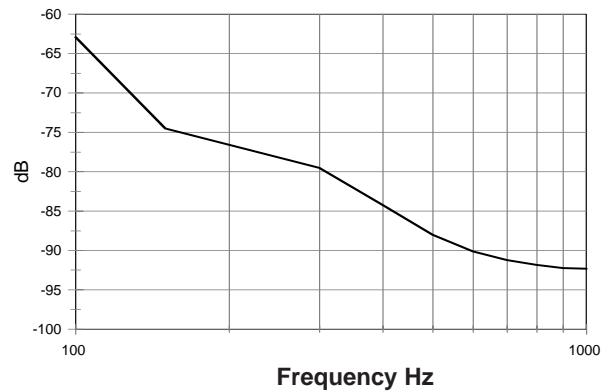
LTM-110A Line Interface 56kbps Modem Transformer

PERFORMANCE DATA

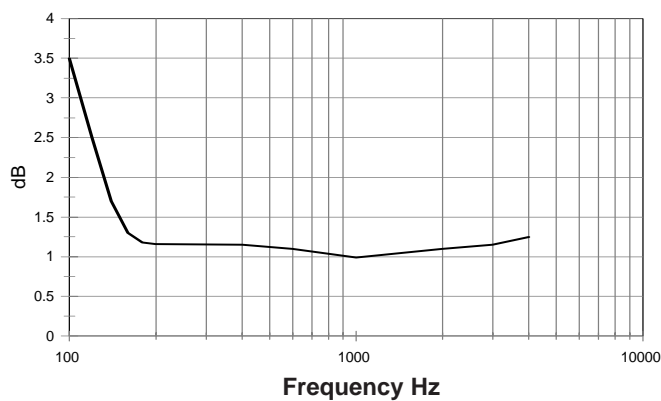
Return Loss
Typical



Total Harmonic Distortion
Typical



Insertion Loss
Typical



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