

**ISDN INTERFACE  
TRANSFORMER  
SERIES RM**

**FEATURES**

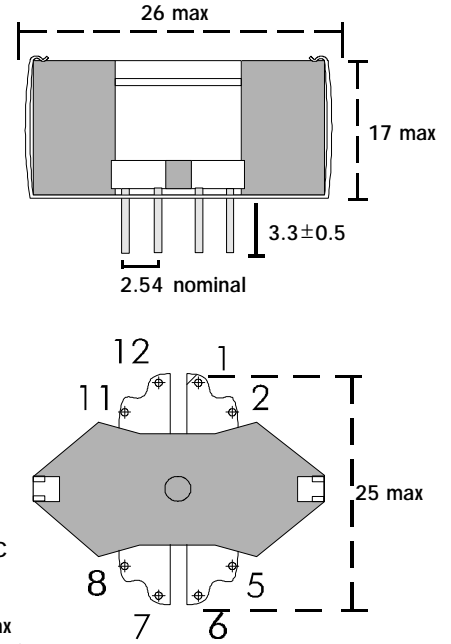
Support CCITT 1.430 Recommendations for ISDN basic access  
Design for ISDN U Interface

**ELECTRICAL CHARACTERISTICS**

All Primary windings are Center tapped  
Testing procedures

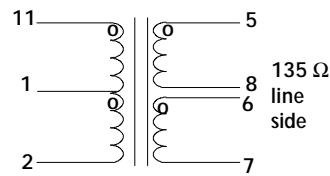
- **Inductance**  
for item RM-90 1 KHz, 50mV, pin 6-8 short with 80 mADC  
for item RM-146 & 151 10 KHz, 0.1VRMS with pin 6-8 short with 60 mADC
- **Interwinding Capacitance**  
for all items 100 KHz, 0.5 VRMS, pin 6-8 short, measured at pin 2-5
- **Leakage Inductance**  
for item RM-90 100 KHz, 0.5 VRMS with pin 6-8 & 2-11 short, measured at pin 5-7  
for item RM-146 & 151 100 KHz, 0.5 VRMS with pin 5-6 & 7-8 short, measured at pin 2-11
- **Insertion Loss**  
for item RM-90 only measured @ 2-11 with 52.7 Ohm load at pin 5-7
- **Longitudinal Balance**  
for item RM-146 & 151 only measured @ 40 KHz, 0.1 VRMS
- **Return Loss**  
for item RM-90 only measured @ pin 2-11 with pin 6-8 short pin 5-7 with 80mADC
- **DCR**  
for item RM-90 with pin 6-8 short, DCR measured @ pin 5-7 is 3.4 ohms max  
measured @ pin 2-11 is 1.7 ohms max  
for item RM-146 with pin 6-8 short, measured @ pin 5-7 is 12.5 ohms ±10%  
measured @ pin 2-11 is 1.6 ohms ±10%  
for item RM-151 with pin 6-8 short, measured @ pin 5-7 is 5.5 ohms max  
measured @ pin 1-11 is 4.8 ohms max

**DIMENSIONS IN MILLIMETERS**



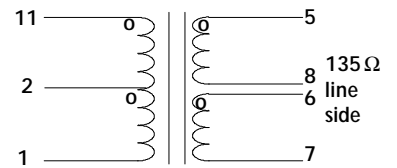
**PHYSICAL CHARACTERISTICS**

- Operating temperature -25°C to +105°C
- Hipot 2000 VAC, 1mA, 2 seconds
- Core Ferrite
- Bobbin material Molded phenolic
- Finish Varnish impregnated
- Marking Part number, date code
- Packaging 25 pieces per box.



ITEM RM-90 & 146  
Pin 1 : Interconnection

**SCHEMATIC**



ITEM RM-151  
Pin 2 : Interconnection

**SPECIFICATIONS**

Part Number	Inductance Secondary 135Ω Line side	Leakage Inductance (μH)	Interwinding capacitance (pF)	Longitudinal Balance (dB)	Return Loss @ 20KHz (dB)	Insertion loss @ 10 KHz (dB)	Turn Ratio between Pri-Sec
RM-90	14.5mH	70	70	NA	20	0.5	1 : 1.6 split @ 20 KHz
RM-146	12.3mH	65	65	55 min	NA	NA	1 : 1.15 split @ 4 KHz
RM-151	28.0mH	65	65	55 min	NA	NA	1 : 1.25 split @ 40 KHz

All specifications may be changed without notice. Please call for update.