



Model SM336 Series

33.6K Dialup Modem

Specifications

General

Modulation Quadrature Amplitude Modulation
FSK and DPSK
Serial Interface 115.2 kbps max, V.24/V.28, V.34
RS232/RS485 compatible
Data Rates 33.6, 31.2, 28.8, 26.4, 24, 21.6, 19.2,
16.8, 14.4, 12, 9.6, 7.2, 4.8, 2.4, 1.2,
3 Kbps
Automatic selection for highest error
free rate
Compatibility As a Data Modem
Bell 103, Bell 212A, V.22A/B,
V.22bis, V.32, V.32bis, and V.34
As a Fax Modem
V.17, v.21 channel 2, v.27ter, v.29,
and V.33
Data Compression V.42bis, MNP5
Error Correction V.42 LAPM, MNP2-4, MNP10
Loop Tests V.54 Loop 2 (RDL) and Loop 3 (LAL)
Modes Asynchronous full or half duplex
Automatic/manual call originate
and answer
PC Compatible Serial Plug and Play

Data & Line Interfaces

Data RS232C and RS485 via DB-9S
Phone handset RJ11
Phone line RJ11

Telephone Line Interfaces

FCC compliant Part 68 and Part 15
Line Interface RJ11, 600 ohms, Public
Switched Network
Ring Equivalent 1 Bel
Return Loss Better than 14dB from 200 to
4000 Hz
Dialing Pulse and Tone

Indicators

Power, TXD, RXD, DCD, DTR, RI, DSR/OFF HOOK

Receiver Performance

Signal to Noise Ratio -26 dB
Dynamic Range -12 dBm to -42 dBm
Ring Detect Sensitivity 38 VRMS

Transmit and Receive Frequencies

Data Carrier 1800 +/- 0.5 Hz
Calling Tone 1300 +/- 10 Hz
Answer Tone 2100 +/- 15 Hz
Receive Frequency +/- 14 Hz
Transmit Level Fixed at -11 +/- 2 dBm

Switches

DTR On/Off
RS485 Data Standard or Inverted
RS485 Control Lines Standard or Inverted

Power Requirements

SM336SA
Voltage 90 to 130 VAC (Standard)
180 to 260 VAC (optional)
60 Hz +/- 3 Hz
6 watts maximum
SM336
Frequency
Power

Voltage +12 & -12 VDC +/- 5%
Power 200 ma

Mechanical

SM336SA
Size 1.5" H x 5.5" W x 8.5" D
Weight 2 lbs

Environmental

Temperature Range -37 to 74°C
Humidity 5 to 95% non-condensing

Models:

SM336 (170 Plug-in)
SM336SA (standalone)

Specifications subject to change without notice

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