



Model SM336 Series

33.6K Dialup Modem

Specifications

General		Receiver Performance	
Modulation	Quadrature Amplitude Modulation FSK and DPSK	Signal to Noise Ratio	-26 dB
Serial Interface	115.2 kbps max, V.24/V.28, V.34 RS232C/RS485 compatible	Dynamic Range	-12 dBm to -42 dBm
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	Ring Detect Sensitivity	38 VRMS
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	Transmit and Receive Frequencies	
Data Compression	V.42bis, MNP5	Data Carrier	1800 +/- 0.5 Hz
Error Correction	V.42 LAPM, MNP2-4, MNP10	Calling Tone	1300 +/- 10 Hz
Loop Tests	V.34 Loop 2 (RDL) and Loop 3 (LAL)	Answer Tone	2100 +/- 15 Hz
Modes	Asynchronous full or half duplex Automatic/manual call originate and answer	Receive Frequency	+/- 14 Hz
PC Compatible	Serial Plug and Play	Transmit Level	Fixed at -11 +/- 2 dBm
Data & Line Interfaces		Switches	
Data	RS232C and RS485 via DB-9S	DTR	On/Off
Phone handset	RJ11	RS485 Data	Standard or Inverted
Phone line	RJ11	RS485 Control Lines	Standard or Inverted
Telephone Line Interfaces		Power Requirements	
FCC compliant	Part 68 and Part 15	SM336SA	90 to 130 VAC (Standard)
Line Interface	RJ11, 600 ohms, Public Switched Network	Voltage	180 to 260 VAC (optional)
Ring Equivalent	1 Bel	Frequency	60 Hz +/- 3 Hz
Return Loss	Better than 14dB from 200 to 4000 Hz	Power	6 watts maximum
Dialing	Pulse and Tone	SM336	
Indicators		Voltage	+12 & -12 VDC +/- 5%
Power, TXD, RXD, DCD, DTR, RI, DSR/OFF HOOK		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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