

5902

Bell 202 modem

- Universal radio or leased-line telephone interface
- Soft carrier turnoff for rapid turn-around
- Excellent performance on poor lines
- Optional stand-alone versions for PC's
- 3 year warranty on parts and labor



Product Data Sheet 5902

Specifications

> 5902 Bell 202 modem

General

Data Rate	1200 baud	
Transmit Carrier	Switched or constant	
Duplex	Full or half. Half duplex requires DTE to implement hardware RTS/CTS handshake	
Wires	Two or four	
Transmit Level	-35dBm to 0dBm into 600Ω, potentiometer adjustable	
Receive Sensitivity	-30dBm to +3dBm, potentiometer adjustable to -40dBm	
Output and Input Impedance	600Ω balanced, transformer isolated	
Anti-Streaming	None, 10Sec, 30Sec, 60Sec	
RTS/CTS Delay	<ul style="list-style-type: none"> • Wire: 25ms, 50ms, 125ms, 250ms • Radio: 67ms, 133ms, 266ms, 1000ms 	
CTS Hold Time	1ms, 8ms	
Carrier Detect Delay	<ul style="list-style-type: none"> • Wire: 19ms, 30ms, 51ms, 92ms • Radio: 33ms, 67ms, 133ms, 265ms 	
Carrier Loss Delay	6ms, 10ms, 23ms, 39ms, constant carrier reception half duplex	
Carrier Detect Level	-30dBm, adjustable from -20dBm to -40dBm	
Radio Transmit Key Output	Optical coupler open collector transistor, 5 to 15VDC, 25mA	
Visual Indicators	Transmitted Data LED, Received Data LED, Clear to Send LED, Request to Send LED, Carrier Detect LED, Radio Key Output LED	
Power Requirements	<ul style="list-style-type: none"> • 5902 - 5V @ 60mA • 5902SA - 115VAC at 10VA 	
Terminations	8 pole, removable terminal block, RJ45	
Dimensions	4.25 inch (108 mm) wide, 4.625 inch (118 mm) high, 1.75 inch (44 mm) deep	
Packaging	Corrosion-resistant zinc-plated steel with black enamel paint	
Environment	5% RH to 95 % RH, non-condensing, -40°C/F to 60°C/140°F	
Safety	cCSA _{US} and cULus Class I, Division 2 Hazardous Area Rating, UL508 listed	
Model	Part Number	Description
5902	297120	Bell 202 modem module, 1200 baud, FSK, 2/4 wire, with radio PTT key control & RF carrier detect
5902SA	297194	Same as 5902 but with a 115VAC AD adapter for connection to other PC's or RS-232 devices
5902SAF	297195	Same as 5902SA but with a full duplex to half duplex converter - for devices without RTS/CTS support

Note: Serial communication cable sold separately

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