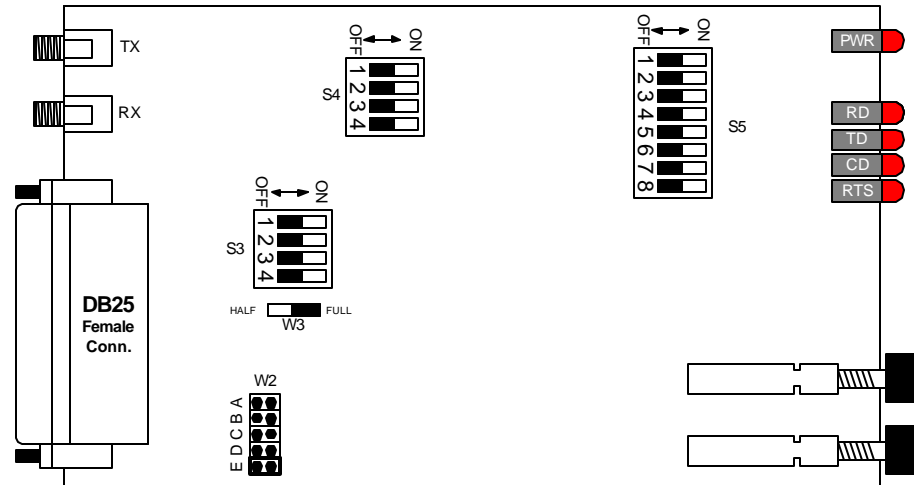


# ME522A-SM



## SPECIFICATIONS:

**Speed:** 2.4 to 256 Kbps

**Interface:** Terminal: V.35 DCE  
Line: Multimode fiberoptic, graded index

**Pins Supported:** CTS, DCD, DSR, ETCA, ETCB, FD, RCA, RCB, RDA, RDB, RTS, SG, TCA, TCB, TDA, TDB

**Range:** 2.3 KM (1.4 miles) with 100u, -5db/km fiber optic cable  
1.5 km (0.9 miles) with 62.5u, -5db/km fiberoptic cable.

**Connectors:** (2) fiberoptic: SMA (905) female (1) DB25S (25 pin D female) pinned per EIA-530A. A DB25 -to-V.35 (female M-block) adapter cable is included.

### Fiber Optic Characteristics:

Wavelength- 820nm  
Receiver Sensitivity- -21.7dB  
Launch Power- -10.1dB into 100u cable  
-14.1 dB into 62.5 cable  
-19.6 dB into 50u cable

**Operation:** Point-to-point

**Mode:** Full or half-duplex; synchronous

**Clocking:** Internal, external, or recovered

**Carrier:** Constant or Switched

**Loopback:** Digital

**RTS/CTS delay:** 0, 11, 50, or 175 ms

**Protocol:** Transparent

**Indicators:** 5 LED's (TX, RX, RTS, CD, and PWR)

**Diagnostics:** DLB and Test Pattern Generator

**Power:** Wallmount Transformer 115 VAC, 60 Hz 8VA,  
or 230 VAC, 50 Hz, 8VA

Set the speed of the V.35 FOLD by configuring DIP switch banks S4 and S5.

Speed (in Kbps)											
Bank	Switch	2.4	4.8	9.6	19.2	38.4	56	64	112	128	256
4	1	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
4	2	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4	3	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4	4	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
5	1	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF
5	2	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
5	3	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
5	4	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
5	5	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF
5	6	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	ON
5	7	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
5	8	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF

Dip Switch S3 controls the selection of the clock timing

Data Clock	SWITCH			
	1	2	3	4
INTERNAL	OFF	ON	OFF	ON
EXTERNAL	OFF	OFF	ON	ON
RECOVERED	ON	OFF	OFF	ON

**RTS/CTS Delay:** In Switched mode, you may insert a delay after the V.35 device raises RTS. This will delay the return of CTS from the FOLD to the V.35 device. This feature is useful in applications that require time for the remote V.35 device to prepare to receive data. The local V.35 device should not attempt data transmission without sensing CTS. In half-duplex operation, the RTS/CTS delay is useful because it allows time to establish which Fold will have control of the line in order to transmit data.

### RTS/CTS Delay Options (Jumper W2):

Position D: 0 msec (no delay)  
Position C: 11-msec delay (factory default)  
Position B: 50-msec. delay  
Position A: 175-msec. delay

### Full or Half-Duplex Operation:W3.

This jumper allows you to select half-duplex or full-duplex operation.