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**Datum M500 Series Modems**  
**Ordering Guide for 70 and 140 MHz IF Modems**

|             |          |          |            |           |
|-------------|----------|----------|------------|-----------|
| <u>M505</u> | <u>S</u> | <u>i</u> | <u>-T4</u> | <u>-4</u> |
| 1           | 2        | 3        | 4          | 5         |

1. Modem Modulation and Max Data Rate Type

M505: 5 Mbps/max, BPSK, QPSK, OQPSK  
M511: 10 Mbps/max, adds 8PSK  
M523: 20 Mbps/max, adds 16QAM

2. IF Frequency Range

S: 70 MHz IF  
N: 140 MHz IF

3. SnIP Interface

i: adds the optional Ethernet card for bridging functions  
Blank: no card

4. FEC Options

-T4: 4K Turbo Products Code (in addition to standard Viterbi and RS)  
-T16: 16K Turbo Products Code (in addition to standard Viterbi and RS)  
Blank: Viterbi and RS only

5. Interface Cable Options

-4: RS-449 (DB37) Interface. DSF00-080B cable also supplied  
-5: EIA-530 (DB37 to DB25). DSF00-080B cable.  
-V: V.35 with Winchester (DB37 to M340). DSF00-083 cable.  
-3: V.35 with DB25 (DB37 to DB25). DSF00-080B cable.  
-2: sync RS232 (DB37 to DB25). DSF00-080B cable.