



CMD343

E AMPS Duplexer

824 – 894 MHz

Revision 1, February 5, 2003

Receive Channel

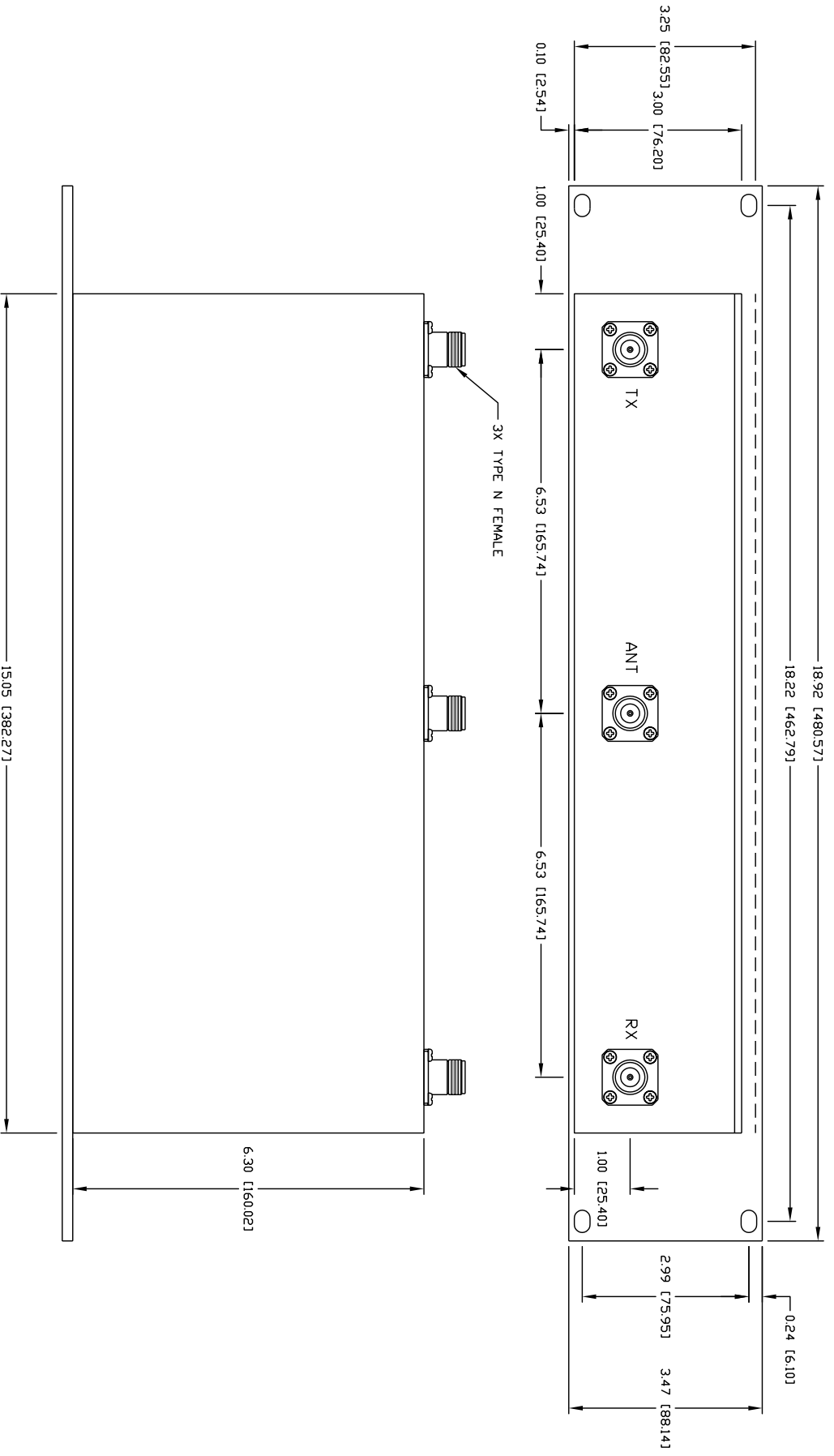
Passband: 824 – 849 MHz
 Bandwidth: 25 MHz
 Freq. Spacing: 45 MHz
 Insertion Loss: 1.0 dB max.
 VSWR: 1.50:1 max.
 RX Noise Suppression Below RX Band:
 DC – 750 MHz 60 dB min
 RX Isolation at TX Freq:
 869 – 894 MHz 60 dB min.
 894 – 2000 MHz 60 dB min.
 Isolation Tx to Rx: 60 dB min.
 Power: 500 Watts CW
 10,000 Watts
 P IP

Transmit Channel

Passband: 869 – 894 MHz
 Bandwidth: 25 MHz
 Freq. Spacing: 45 MHz
 Insertion Loss: 1.0 dB max.
 VSWR: 1.50:1 max.
 TX Noise Suppression at RX:
 DC – 849 MHz 60 dB min.
 TX Noise Suppression Above TX Band:
 968 – 2000 MHz 60 dB min.
 Isolation Rx to Tx: 60 dB min.
 Power: 500 Watts CW
 10,000 Watts
 P IP

*Optional Antenna Port Coupling
 -50 dB +/- 3 dB non-directional

Operation Temp: -30° to +60°C
 Storage Temp: -40° to +85°C



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| DRAWN: | MJS | 02/05/2003 |
| ENG: | | |
| RELEASED: | MJS | 02/05/2003 |

TOLERANCES:

| |
|----------------|
| .XX: ± .01 |
| .XXX: ± .005 |
| .XXXX: ± .0005 |
| ANGLES: ± 1° |

| | | |
|-------|----------------|--------------|
| SIZE | DWG NO. | REV |
| A | OUTLINE CMD343 | 1 |
| CAGE: | 1SCX4 | SHEET 1 OF 1 |