



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.

Transmit Channel

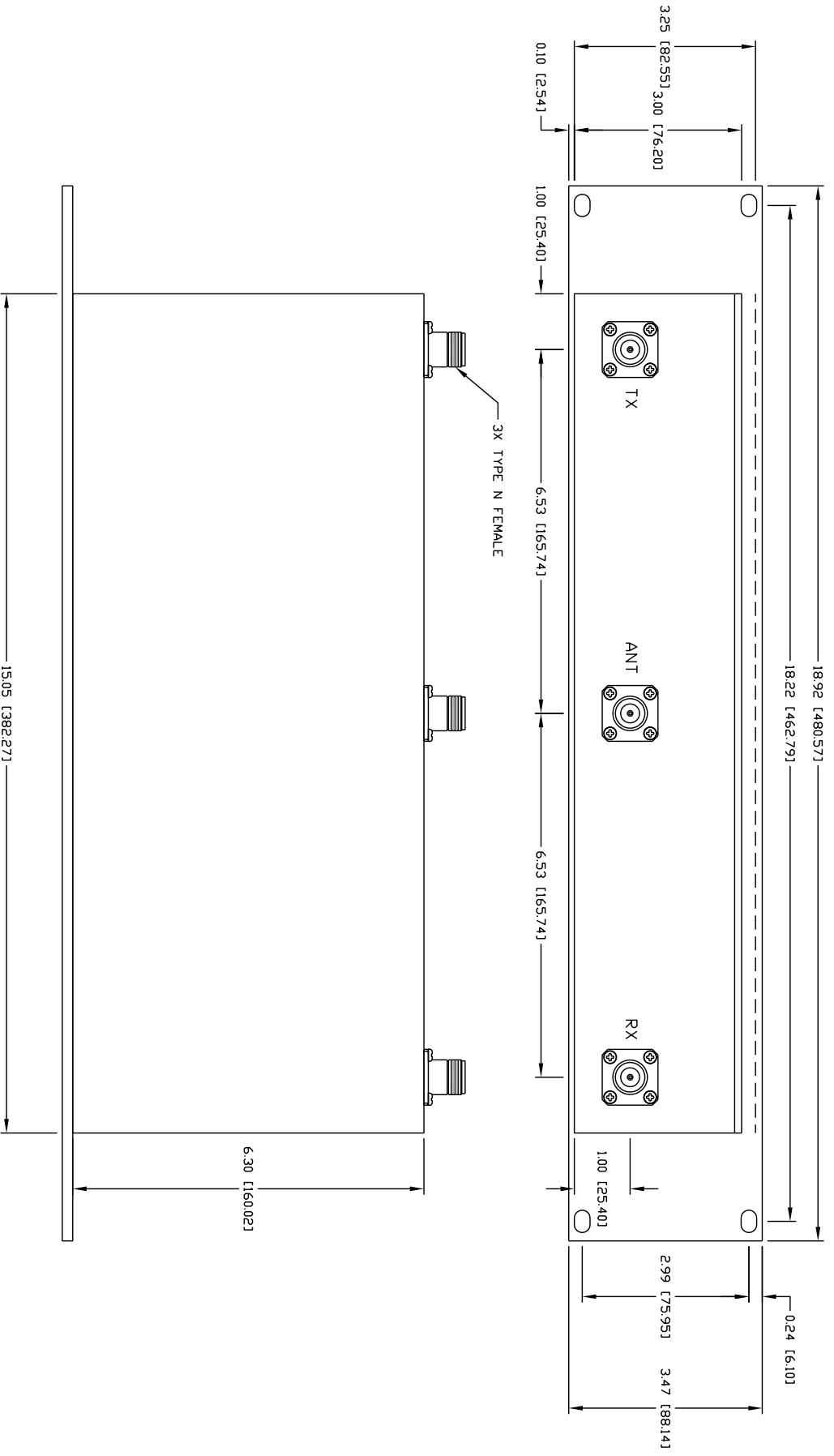
Passband:	869 – 894 MHz
Bandwidth:	25 MHz
Freq. Spacing:	45 MHz
Insertion Loss:	1.0 dB max.
VSWR:	1.50:1 max.
TX Noise Suppression at RX:	
DC – 849 MHz	60 dB min.
TX Noise Suppression Above TX Band:	
968 – 2000 MHz	60 dB min.
Isolation Rx to Tx:	60 dB min.
Power:	500 Watts CW 10,000 Watts PIP

*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:		
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TOLERANCES:

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

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