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# CMD157

## AMPS Duplexer

Revision 1, January 31, 2003

### Receive Channel

Passband: 824 – 849 MHz  
Insertion Loss: 1.0 dB max.  
Return Loss: 15.0 dB min.  
Rejection:  
    DC – 750 MHz 75 dB min  
    869 – 894 MHz 110 dB min.  
    894 – 2000 MHz 75 dB min.  
Isolation Tx to Rx: 110 dB min.

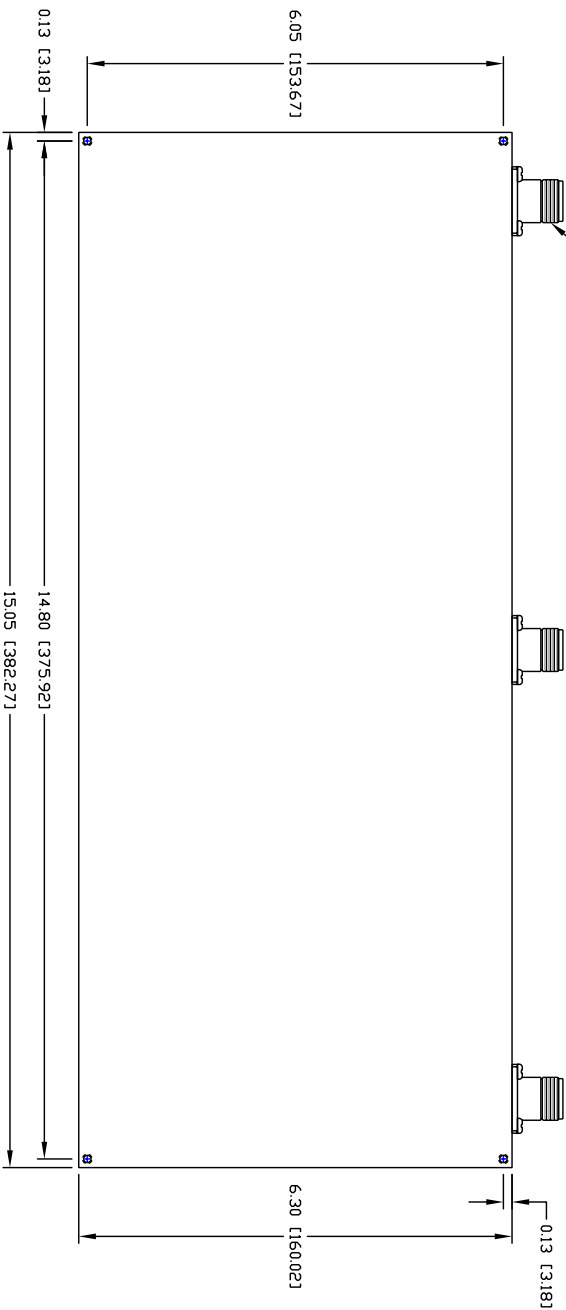
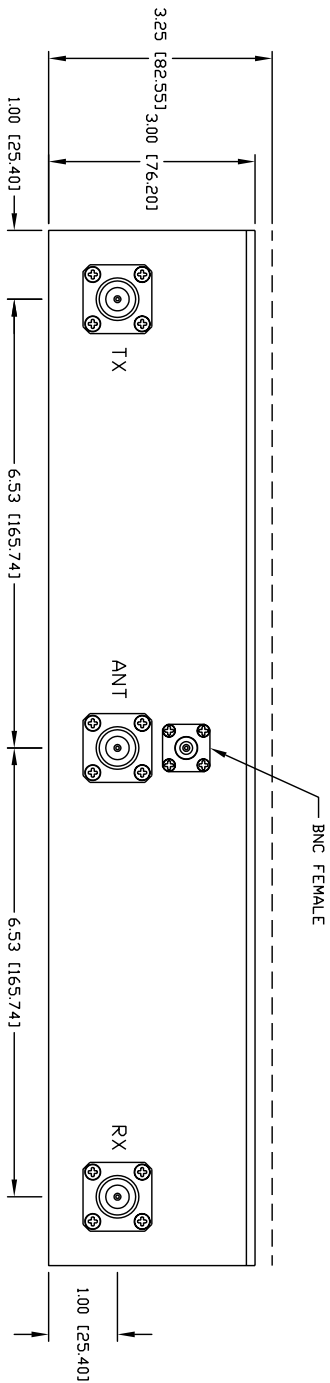
### Transmit Channel

Passband: 869 – 894 MHz  
Insertion Loss: 1.0 dB max.  
Return Loss: 15.0 dB min.  
Rejection:  
    DC – 849 MHz 110 dB min.  
    968 – 2000 MHz 75 dB min.  
Isolation Rx to Tx: 110 dB min.  
Power: 500 Watts CW  
10,000 Watts PIP

### Antenna Port Coupling

-50 dB +/- 3 dB non-directional

Operation Temp: 0° to +60°C  
Storage Temp: -40° to +85°C



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# COMMERCIAL MICROWAVE TECHNOLOGY, INC.

DRAWN:	MJS	07/05/2002
ENG:		
RELEASED:	MJS	09/18/2002

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

SIZE	DWG NO.	REV
A	OUTLINE CMD157	2
CAGE:	1SCX4	SHEET 1 OF 1