



WIRELESS PRODUCTS

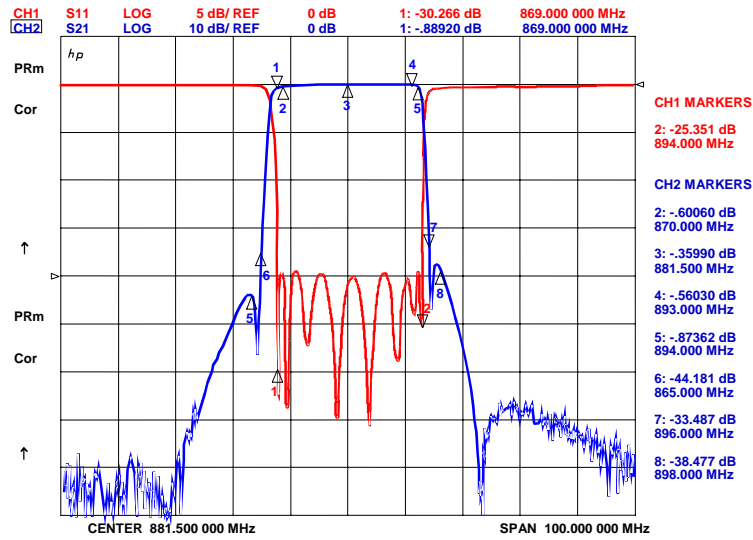
850 Band Transmit Filter

ClearComm Technologies' model number **CCTF-82** is a highly selective, full band transmit band filter. It offers low insertion loss combined with specific, out of band rejection. The filter is designed to pass the full transmit band from 869 to 894 MHz with an insertion loss of 1.4 dB maximum. Attenuation of signals in the receive band of 824-849 MHz is over 80 dB. Rejection is provided immediately above and below the passband to filter spurious signals. The unit has been designed for high power applications. Power handling is 500 Watts average or CW and 8 kW peak. The approximate size of the unit is 12.5" x 6.0" x 3.8". Type 'N' female connectors are provided on the unit. Mounting options include rack mountable, ladder suspension as well as customized mechanical configurations. For requirements specific to your needs, please contact ClearComm Technologies, LLC.



PARAMETER	SPECIFICATION
PASSBAND	869 – 894 MHz
PASSBAND INSERTION LOSS	
869 – 870 MHz	1.1 dB Max.
870 – 893 MHz	0.9 dB Max.
893 – 894 MHz	1.4 dB Max.
INSERTION LOSS VARIATION	
870 – 893 MHz	0.6 dB Max.
869 – 894 MHz.	1.1 dB Max.
PASSBAND RETURN LOSS	18 dB Min
REJECTION	
100 – 824 MHz	90 dB Min.
824 - 849 MHz	80 dB Min.
849 – 865 MHz	40 dB Min.
865 – 866.5 MHz	20 dB Min,
896 – 898 MHz	20 dB Min.
898 – 900 MHz	35 dB Min.
900 – 2000 MHz	40 dB Min.
PASSIVE INTERMODS (with two +43 dBm tones)	-105 dBm (as measured in Rx band)
POWER HANDLING	500 W Avg. / CW 8 kW Peak
OPERATING TEMPERATURE	0° to +60° C
CONNECTORS	Type 'N' Female
DIMENSIONS	12.5" x 6.0" x 3.8" (See Outline)
AVAILABLE OPTIONS	<ul style="list-style-type: none"> • Mounting, Tower, Cable tray, Ladder or Rack Mount Options Available

TYPICAL PERFORMANCE DATA



OUTLINE DIMENSIONS

