

DUPLEXER 28-83E-01A

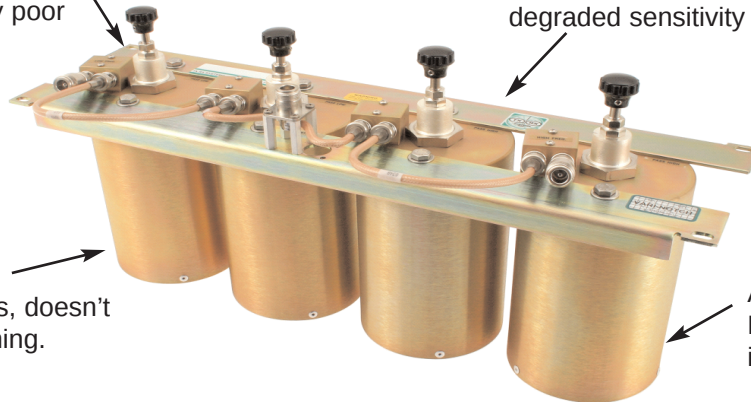
FOR 700 & 800 MHz BANDS

3/16" end cap, not pop rivets
End cap heliarc'd to the top of the cavity at the critical current point eliminates noise generated by poor metal-to-metal contact

Silver Plating Brass tuning probes and hardened copper contact fingers are silver plated to avoid erratic tuning, high loss, and degraded sensitivity

Hardened Aluminum Construction
Unlike some copper types, doesn't easily dent causing detuning.

Alodine Coating
Passivates cavity surface, inside and out.



The new **duplexer 28-83E-01A** covers both the 700 and 800 MHz bands, providing seamless transition and unique flexibility to LMR users in either frequency bands.

To transition from operations in one frequency band to the other, only the interconnecting cables need to be replaced, allowing multiple use of the equipment and enabling the user to reconfigure the system in the field.

Like other Vari-Notch® (the trademark for BTG's pseudo bandpass circuit design) filters, this duplexer offers the best cost-to-performance ratio in its class and is unsurpassed for close-spaced duplexing, combining the low loss and close frequency spacing advantages of notch filters with the broad isolation and selective pass characteristics of bandpass filters. The small geometry and efficiency of this circuit design has also resulted in a variety of space efficient mountings.

Frequency Range	764 - 869 MHz
Minimum Freq Separation	
in 764-806 MHz band	30 MHz
in 806-869 MHz band	45 MHz
Power Rating	125 W
Isolation	
Per Channel	90 dB
Between Channel	60 dB
Insertion Loss	0.8 dB
Number of Cavities	4
Cavity Diameter	4"
Connectors	N female for all ports
Dimensions HxWxD	5.25" x 19" x +3-6.5