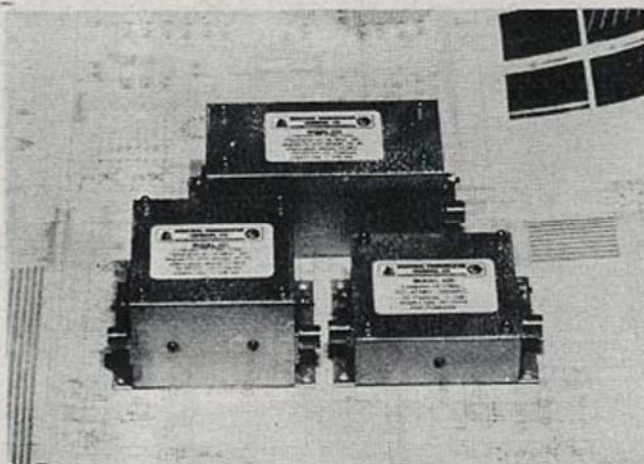


## Model 420 Series

# Lowpass HF Transmitting Filter Assemblies



### VHF LOWPASS FILTERS

Interference to other services is also commonplace when VHF transmitters are being employed. Both low and high power versions of our popular lowpass filters are offered below, and they may even be "stacked" for peak performance (low power unit between transceiver and amplifier, high power filter on station output). All devices provide harsh cutoff, high attenuation, solid crush-proof design casing.

Similar in construction, appearance, size and weight to lower frequency models detailed at right, Models 425, 426 and the new higher power Model 427 have higher cutoff points and are usable to 54 Mhz. for transmitting applications, ICS. Packed with 4-page owner's manual, these units also fit perfectly with mounting frames detailed on page 18.

Model 425, 425B, 425 N 600W PEP Model with S2039s, BNC, or N Conns.  
 Model 426, 426N 3KW PEP Model with S0239s, N Conns.  
 Model 427, 427N 6KW PEP Model with S0239s, N Conns.

### HF LOWPASS FILTERS

One of our most popular products and sold worldwide, I.C.E. lowpass filters are a preferred standard among commercial and private users. Lowpass filters pass frequencies below rated cutoff point with little or no attenuation and harshly attenuate frequencies above designated cutoff point (30 Mhz.).

Model 420 Series filters are heavily built deep notching Chebyshev designs and are ideal for interference cases where harmonic or spurious energy is either detected or feared, and a must for good station design.

All units now rated for higher power than previous versions. Low power model 420 uses silver-mica capacitors, phenolic connectors, and available in S0239s, N, or BNC. Higher power models 421 and 422 use thick (about five times the thickness of other manufacturers) teflon TFE insulation sheet, brass or copper capacitor plates - and all connections are soldered - no "pop" rivets. Cases are all single unit chassis, fully shielded 1/8" thick 6063 aluminum extrusions.

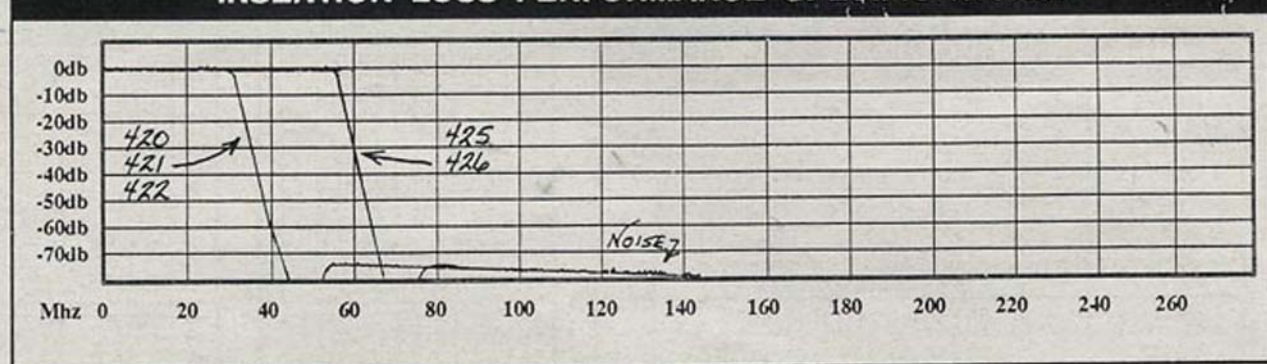
All units come with 4-page owner's manual, connector covers, stainless steel grounding terminal. Use with mounting fixture on page 18 for professional quality results.

Model 420, 420B, or 420N 600W PEP Models with S0239s, BNC, or N Conns.  
 Model 421, 421N 8KW PEP Models with S0239s or N Conns.  
 Model 422, 422N 15KW PEP Models with S0239s or N Conns.

### SPECIFICATIONS:

Transmit Power Ratings:	420, 425 600W PEP / 300 DC ICS
	421, 426 8KW PEP / 4KW DC ICS
	422 15KW PEP, 7.5KW DC ICS
Insertion Loss:	.1db - .4db (at approach to cutoff)
Cutoff Frequency (-3db):	32.5 Mhz. (HF), 57 Mhz. (VHF)
Attenuation:	70-90db see chart below
Sizes (HWD), Weights:	420, 425: 1-1/2" x 4" x 4", 1 lb
	421, 426: 2-1/2" x 4" x 4", 2 lbs
	422, 427: 2-1/2" x 3" x 6", 3 lbs

### INSERTION LOSS PERFORMANCE SPECIFICATIONS:



LEARN MORE ABOUT HOW TO USE LOW PASS FILTERS - ASK FOR FREE PUBLICATION #42