

## MODEL ASTC IN-LINE PREAMPLIFIER & PULSE SHAPER FOR MAGNETIC PICKUPS



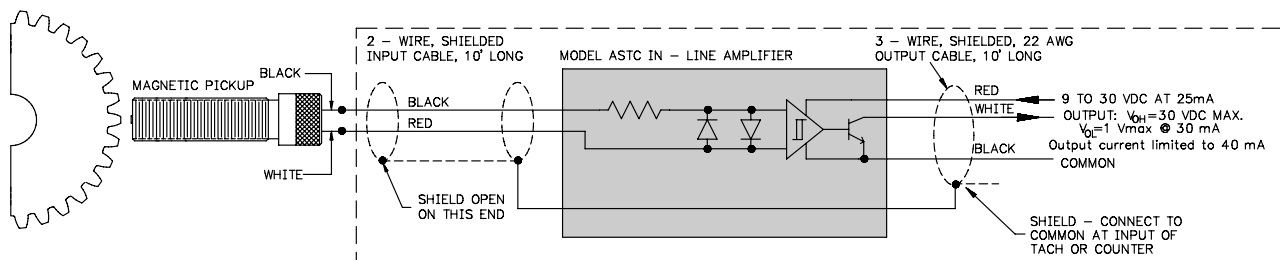
- IDEAL FOR LONG CABLE RUNS
- CURRENT SINKING OUTPUT
- PROVIDES ULTRA-LOW THRESHOLD SPEEDS
- ALLOWS LARGER AIR-GAPS
- PROVIDES HIGH NOISE IMMUNITY

The ASTC boosts magnetic pickup signals by a factor of more than 100, and provides an NPN Open-Collector pulse output. Low speed input sensitivity is 20 millivolts which permits operation at 1/50th of the 1-Volt Threshold Speeds listed in the Magnetic Pickup Specifications and Ordering Table. The ASTC can be used at pulse rates to 10 KHZ. The NPN O.C. output is current limited to 40 mA. The unit is epoxy-encapsulated in a 3/4" Dia. stainless steel shell, with overall dimensions of 0.9" D X 4.5" L including Neoprene strain-reliefs on each end. In installations where long signal runs are to be made it is advisable to keep the ASTC close to the pickup and let its output cable make the long run. Input and output cables should not be run in conduit, cable troughs, or bundles with power or control voltage lines. Operating temperature is -18° to +60° C.

### ORDERING INFORMATION

MODEL NO.	DESCRIPTION	PART NUMBER
ASTC	In-Line Amplifier	ASTC0000

### SPECIFICATIONS & HOOK-UP FOR ASTC



Note: Both magnetic pickup leads must be floating.  
 Do NOT ground or connect to shield.