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Jameco Part Number 139492

## A P P R O V A L   S H E E T   O F   4 0 T - 1 2 B

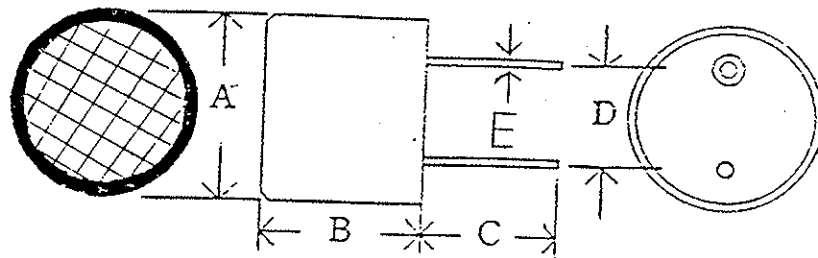
1. GENERAL: The specification describe the ultrasonic transmitter transducer.

2. CHARACTERISTICS:

PARTS NUMBER	40T-12B
Center Frequency(KHz)	40.0 +/- 1.0
Sound Pressure Level (0 dB=0.0002 bar)	112dB/40 +/- 1.0KHz /10V SN/30cm(min)
Band Width (KHz) Min.	5.0 /100dB
Capacitance (PF)	2000 +/-20%
Case Material/Mesh color	Aluminium/Black

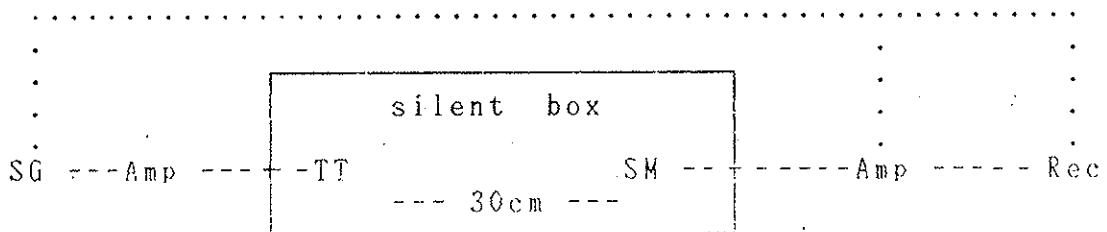
3. OUTLINE DIMENSIONS:

A=12.7 +/- 0.2  
 B= 9.4 +/- 0.4  
 C= 6.2 +/- 0.8  
 D= 8.5 +/- 0.2  
 E= 0.7 +/- 0.1  
 (UNIT:mm)



----FIG.1----

4. TEST CIRCUIT:



TT: test transducer  
 SM: std. microphone  
 SG: signal generator

Rec: recorder  
 Amp: amplifier

----FIG.2----

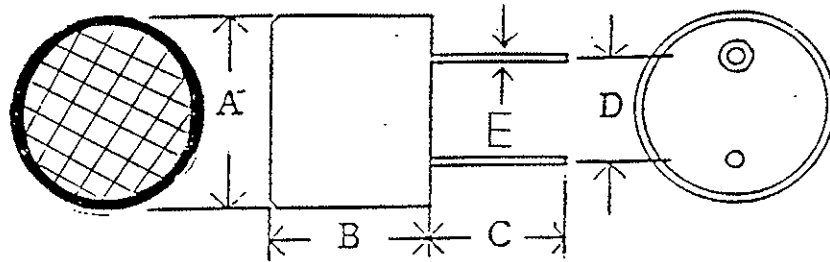
A P P R O V A L   S H E E T   O F   4 0 R - 1 2 B

1. GENERAL: The specification describe the ultrasonic receiver transducer.
2. CHARACTERISTICS:

PARTS NUMBER	40R-12B
Center Frequency (KHz)	40.0 +/- 1.0
Sensitivity Min. (0 dB vs 1V/ubar)	-67dB/40 +/- 1.0KHz (R=3.9kΩ)
Band Width (KHz)	5.0 / (at -75dB)
Capacitance (PF)	2000 +/- 20%
Case Material/Mesh color	Aluminium/Black

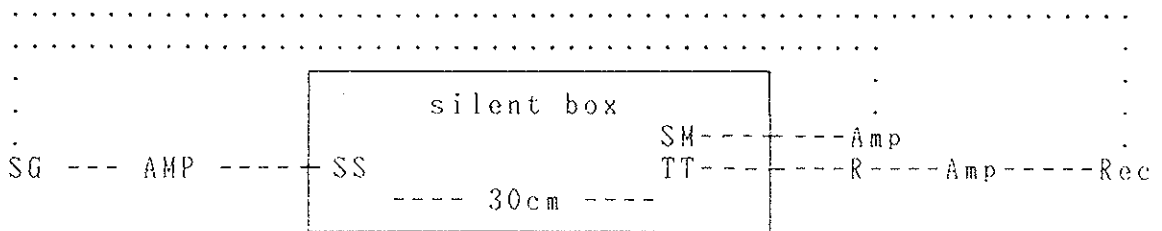
3. OUTLINE DIMENSIONS:

A=12.7 +/- 0.2  
 B= 9.4 +/- 0.4  
 C= 6.2 +/- 0.8  
 D= 8.5 +/- 0.2  
 E= 0.7 +/- 0.1  
 (UNIT: mm)



-----FIG.1-----

4. TEST CIRCUIT:



TT: test transducer  
 SS: std. speaker  
 SM: std. microphone  
 SG: signal generator

Rec: recorder  
 Amp: amplifier  
 R: resistance

-----FIG.2-----