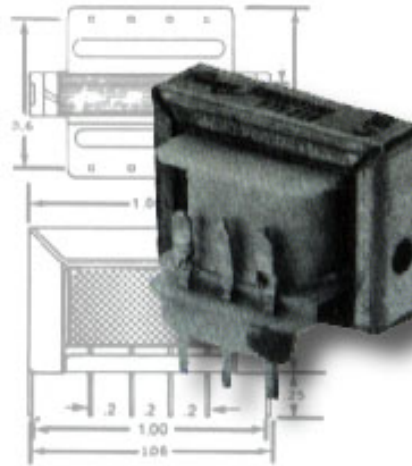


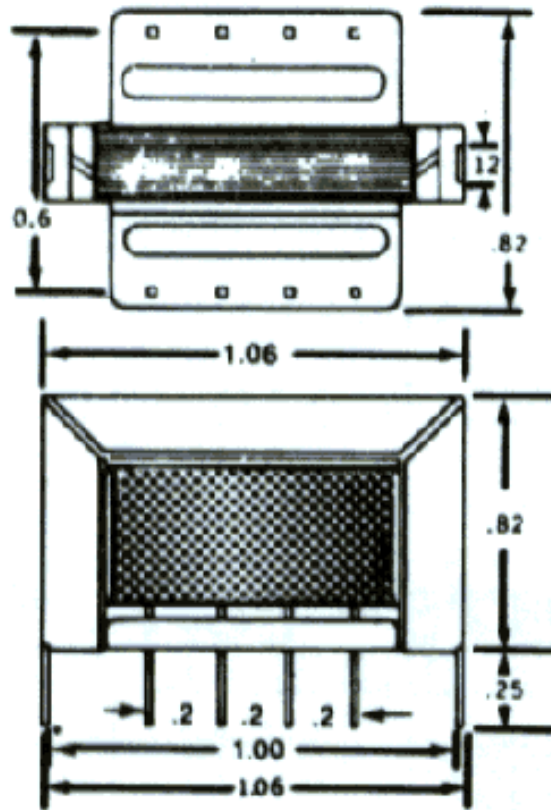
TAP-TELECOM-TLS SERIES

Audio Printed Circuit and Line Matching

TAP series miniature P.C. transistor transformers

- ▶ Economical & light weight (1.0 oz).
- ▶ Bifilar wound for capacitive and resistive balance.
- ▶ Frequency response 200 to 15000Hz 1db
- ▶ Insertion loss less than 1.5 db
- ▶ Insulation test 250 volts RMS
- ▶ On four terminal transformers, center, pins are omitted.





telecommunication - Line coupling

- ▶ Economical P.C. transformers for Modems and Telephone line coupling.
- ▶ Custom designs available to customer specs, or FCC part 68 or CS-03.

FF 87

A=600 to 600 ct. (ohms)
 D.C. ma.=5 ma max. flowing
 D.C.R.=84 Pri.; 103 Sec. (ohms)
 I. Loss=-1.5 db nom. @ 1000 Hz
 F. Resp.=-.25 db max. @ 200-3500 Hz
 L. Bal.=60 db min. @ 200-3500 Hz
 Return Loss=25 db min. @ 500-3500 Hz
 Return Loss=20 db min. @ 200-500 Hz
 Insulation test=500V RMS
 Mttg. space=1.05" x 0.9" x 0.45"h



FTX 218-2

Z=600 to 600 ct. (ohms)
D.C. ma.=50 ma max. flowing
D.C.R.=80 Pri.; 110 Sec. (ohms)
I. Loss=-2 db nom. @ 1000 Hz
F. Resp.=-2 db max. @ 200-3500 Hz
L. Bal.=60 db min. @ 200-3500 Hz
Return Loss=11 db min. @ 500-2500 Hz
Insulation test=1500V RMS
Mtg. space=1.1" x 0.75" x 0.8"h

FTX 229-2

Z=600 to 600 ct. (ohms)
D.C. ma.=110 ma max. flowing
D.C.R.=65 Pri.; 85 Sec. (ohms)
I. Loss=-1.5 db nom. @ 1000 Hz
F. Resp.=-1 db max. @ 200-3500 Hz
L. Bal.=60 db min. @ 200-3500 Hz
Return Loss=15 db min. @ 300-3500 Hz
Insulation test=1500V RMS
Mtg. space=1.4" x 1.2" x 1.2"h

TL Series speaker Line matching

Application

Line Matching Transformers effectively balance the audio levels on individual speakers in 25 and 70 volt commercial sound distribution installations.

Features

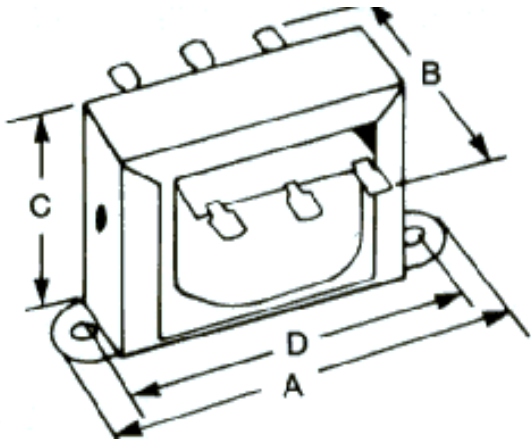
- ▶ Economical open channel frame providing two mounting holes.
- ▶ Coil wound on a nylon bobbin ensuring sturdy accurately placed solder/.187 quick connect terminals.
- ▶ Audio taps indicated in watt ratings.
- ▶ Two winding (isolation) design provides amplifier protection.
- ▶ Frequency response 65 Hz to 10 KHz (1.5 db reference 1 KHz)
- ▶ Insertion loss less than 1.5 db.

Selection & Installation

1. Match the amplifier output voltage of 25 or 70 volt.
2. Choose the transformer power rating closest to maximum power rating of speaker.
3. Mount the transformer as close as possible to the speaker voice coil terminals.
4. *Connect the speaker to the transformer secondary terminals.
5. *Connect the 70 volt line to common and power tap producing the desired volume taking care to not exceed the speaker watt rating.

* On TLS 25-4 connect 25 volt line to primary terminals and select secondary tap to produce desired volume.

NOTE: The total of all selected taps on all transformers must not exceed the amplifier's rated power output.



Power Watt	Line Volts	Cat. No.	Power Taps Watts	Speaker Ohms	Dimensions (in inches)			
					A	B	C	D
4	25 ct	TLS 25-4	4, 2, 1, 1/2, 1/4, 1/8	8	2.81	2.00	1.63	2.38
2	70	TLS 70-2	2, 1, 1/2, 1/4	8	2.38	1.88	1.38	2.00
4	70	TLS 70-4	4, 2, 1, 1/2, 1/4	8	2.81	2.00	1.63	2.38
10	70	TLS 70-10	10, 5, 2 1/2	8/16	3.25	2.13	1.94	2.81
30	70	TLS 70-30	30, 15, 7 1/2, 3 3/4	8	3.25	2.13	1.94	2.81



ATC-FROST



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