

You Searched for product number **TY-300P**.
 Product number **TY-300P** is the associated Triad Magnetics product.
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Triad Transformer Catalog

DATA VOICE COUPLING

Description:

TRIAD telecommunications transformers are designed to meet the requirements for access over leased private lines or through the dial-up switched telephone network. The TY series transformers are used for a variety of applications including: impedance matching, isolation, repeat coil, line balancing, bridging, and hybrid circuits.

Specifications:

Designed to meet FCC Part 68

Longitudinal
 Balance

(FCC 68.310): 60 dB min. 200-1,000 Hz
 45 dB min. 1,000-4,000 Hz

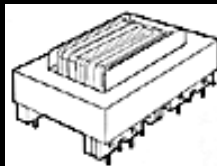
Dielectric Strength

(FCC 68.304): 1500 V

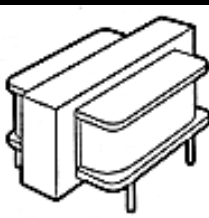
Power Level: -45 dBm to +7 dBm

Frequency Range: Data/Voice = 300 to 3,500
 Hz

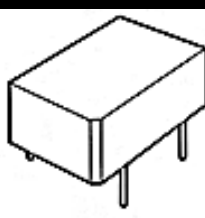
Data = 800 to 3,500 Hz



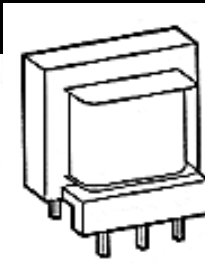
[Figure A](#)



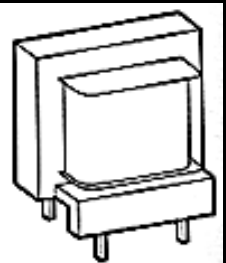
[Figure B](#)



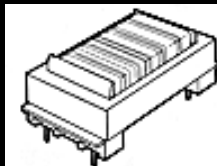
[Figure C](#)



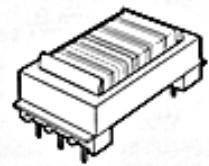
[Figure D](#)



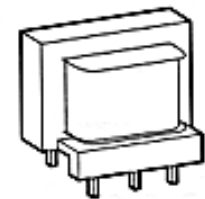
[Figure E](#)



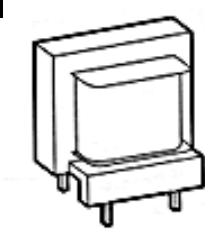
[Figure F](#)



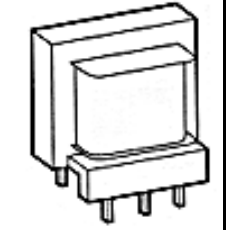
[Figure G](#)



[Figure H](#)



[Figure I](#)



[Figure J](#)

DATA/VOICE COUPLING TRANSFORMERS

Type No.	Impedance (Ohms)		Max. DC Current (mA)	Typ. Insertion Loss (dB)	Typ. Return Loss (dB)	Typ. Freq. Response (dB)	Schematic	Figure
	Pri.	Sec.						
TY-305P	600	600	100	1.5	10	+/- .5	1	A
TY-306P	600 Split	600	75	1.5	10	+/- .5	2	A
TY-307P	600	600	0	1.0	26	+/- .5	3	B
TY-310P	600	600	0	1.0	26	+/- .5	3	C
TY-311P	600	600	0	1.0	26	+/- .5	3	E
TY-304P	600 CT	600 CT	0	1.0	26	+/- .5	4	D
TY-301P	600	900	0	1.0	26	+/- .5	5	E
TY-303P	4000	600	0	1.0	26	+/- .5	6	E

CT = Center Tap

DATA/VOICE COUPLING TRANSFORMERS

Type No.	Impedance (Ohms)		Max. DC Current (mA)	Typ. Insertion Loss (dB)	Typ. Return Loss (dB)	Typ. Freq. Response (dB)	Schematic	Figure
	Pri.	Sec.						
TY-400P	600	600	90	1.75	15	+/- .5	3	I
TY-401P	600 CT	600 CT	90	1.75	15	+/- .5	4	J
TY-402P	600	600	90	1.75	13	+/- .5	7	F
TY-403P	600	600 Split	90	1.75	13	+/- 1.5	8	G

CT = Center Tap

DATA/VOICE DUAL TRANSFORMER HYBRIDS

Type No.	Impedance (Ohms)		Max. DC Current (mA)	Typ. Insertion Loss (dB)	Typ. Return Loss (dB)	Trans-Hybrid Loss (dB)	Schematic	Figure
	Pri.	Sec.						
TY-300P	600 (4W)	600/600	0	.80	30	50	9	D
TY-302P	600 (4W)	600/600	0	.65	32	55	9	H

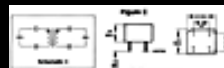
Figure AFigure BFigure CFigure DFigure E



Figure F



Figure G



Figure H

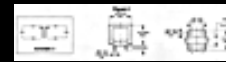


Figure I



Figure J