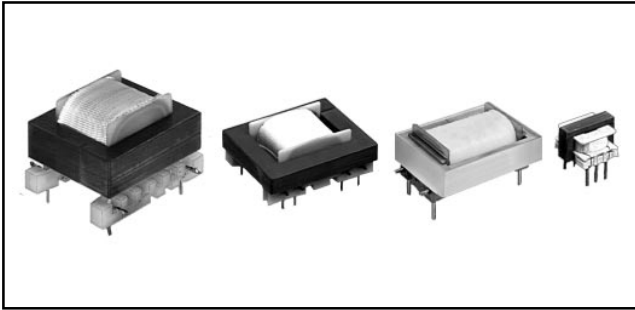


Transformers

Audio, Telephone Coupling



FEATURES

- Designed to meet FCC Part 68.
- Underwriters Laboratories recognized component (UL Standard 1459, File E147915).
- Canadian Standards Association certified component (CSA Standard C22.2, File LR77313).
- Provide line isolation, impedance matching and line balance.
- Designed and built to meet telephone company requirements for data and voice access on leased private telephone lines or through dial-up switched telephone networks.

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IMPEDANCE (Ohms)		COUPLING APPLICATION	UNBALANCED DC CURRENT (mA)	RETURN LOSS MIN. (dB)	INSERTION LOSSES @ 1kHz (dB)	FREQUENCY RESPONSE REF. @ 1kHz (dB)	IMPEDANCE MATCHING	DISTORTION	STYLE	SCHEMATIC NUMBER
	PRI	SEC									
TA-10-08	600	600	DATA/VOICE	0	26	1.0	± .5	± 10%	.5%	C	5
TA-10-07	600	600	DATA/VOICE	0	26	1.0	± .5	± 10%	.5%	J	5
TA-30-06	600	600	DATA/VOICE	0-5	14	1.5	± 1.5	± 25%	5.0%	J	5
TA-10-05	600	600	DATA/VOICE	0	26	.6	± .5	± 10%	.5%	B	5
TA-30-02	600	600	DATA/VOICE	0-5	15	1.4	± 1.5	± 25%	5.0%	B	5
TA-30-03	600	600	DATA	0-90	8	2.4	± 1.0	± 25%	5.0%	G	5
TA-32-02	600	600	DATA/VOICE	0-80	11	1.2	± 1.5	± 25%	5.0%	M	13
TA-40-01*	600	600	DATA/VOICE	0-90	14	1.7	± 2.0	± 20%	.5%	N	13
TA-33-02	600	600	DATA/VOICE	0-100	8	1.6	± 1.5	± 25%	5.0%	E	15
TA-30-04	600	600 CT	DATA	0-90	8	2.4	± 1.0	± 25%	5.0%	H	9
TA-10-04	600 CT	600 CT	DATA/VOICE	0	26	.6	± .5	± 10%	.5%	A	4
TA-30-01	600 CT	600 CT	DATA/VOICE	0-5	15	1.4	± 1.5	± 25%	5.0%	A	4
TA-31-01	600 SPLIT	600	DATA/VOICE	0-50	8	1.4	± 1.5	± 25%	5.0%	K	11
TA-32-03	600 SPLIT	600	DATA/VOICE	0-80	11	1.2	± 1.5	± 25%	5.0%	L	14
TA-13-01	600	600 SPLIT	DATA/VOICE	0-75	13	1.2	± .5	± 10%	.5%	E	7
TA-33-01	600	600 SPLIT	DATA/VOICE	0-100	8	1.6	± 1.5	± 25%	5.0%	E	7
TA-10-01	600	600/600	DATA/VOICE HYBRID	0	26	.8	± .5	± 10%	.5%	A	1
TA-30-05	600	600/600	DATA/VOICE HYBRID	0-5	14	1.4	± 1.5	± 25%	5.0%	A	10
TA-11-01	600	600/600	DATA/VOICE HYBRID	0	26	.8	± .5	± 10%	.5%	D	1
TA-30-07	600	900	DATA/VOICE	0-5	14	1.5	± 1.5	± 25%	5.0%	J	2
TA-10-02	600	900	DATA/VOICE	0	26	.7	± .5	± 10%	.5%	B	2
TA-32-01	600/900	600	DATA/VOICE	0-100/0-120	8	1.4	± 1.5	± 25%	5.0%	L	12
TA-14-01	600	600/900	DATA/VOICE	0-100/0-120	14	.5	± .5	± 10%	.5%	F	8
TA-10-06	900	900	DATA/VOICE	0	26	.7	± .5	± 10%	.5%	A	6
TA-10-03	4k	600	DATA/VOICE	0	22	.7	± .5	± 10%	.5%	B	3
TA-23-01	600	600 SPLIT	DATA/VOICE	0-75	13	1.2	± .5	± 10%	.5%	E	16

*Reference for TA-40-01 is 1.8kHz. Model **TA-3** is the **low-cost** alternative to Model TA-1. For HOLDING COIL information, refer to MODEL TE/TD.

ELECTRICAL SPECIFICATIONS

Power Level: - 45dBm to + 7dBm except TA-40-01
(- 45dBm to + 10dBm).

Longitudinal Balance: Per FCC 68.310
60dB minimum = 200 - 1000Hz.
45dB minimum = 1000 - 4000Hz.

Dielectric Strength: 1500V RMS.

Frequency Range: Data/Voice = 300 to 3500Hz.
Data = 800 to 3500Hz.

MECHANICAL SPECIFICATIONS

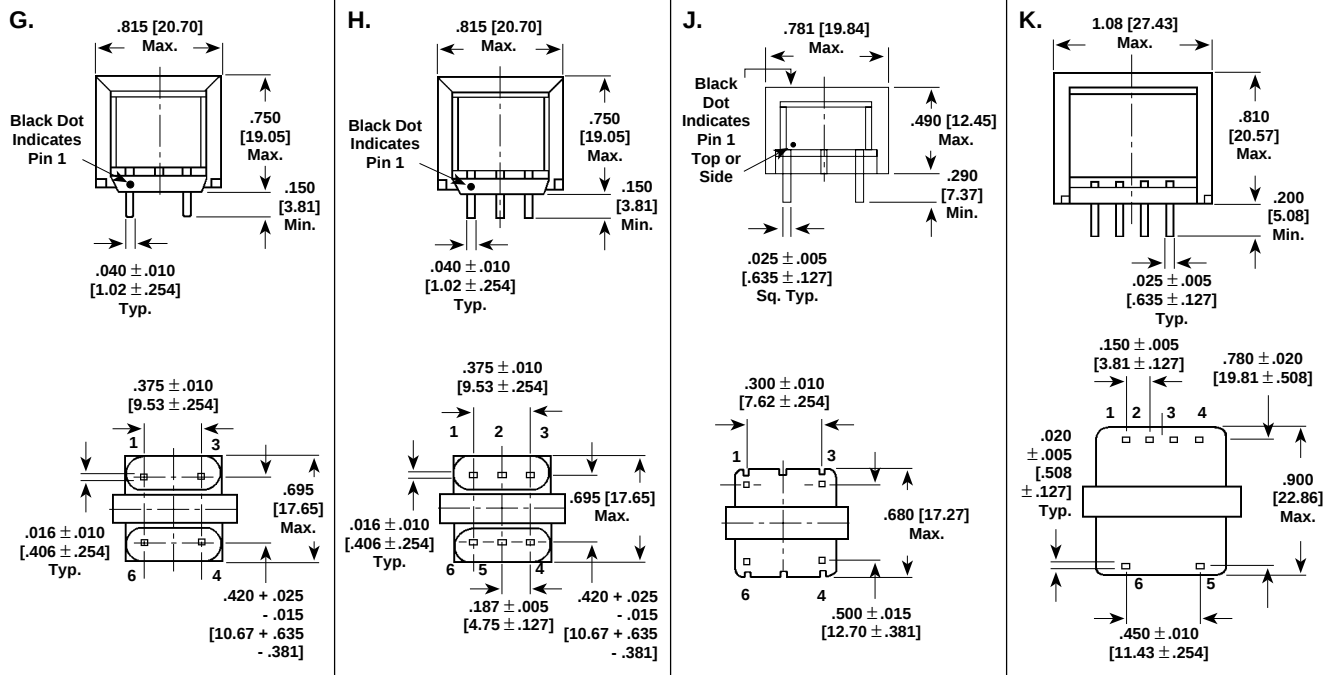
Coating: Impregnated with polyester varnish.

Terminals: Precision spaced PC type plug-in terminals.

SCHEMATICS			
1.	2.	3.	4.
5.	6.	7.	8.
9.	10.	11.	12.
13.	14.	15.	16.

DIMENSIONAL CONFIGURATIONS [Numbers in brackets indicate millimeters]		
A.	B.	C.
D.	E.	F.

DIMENSIONAL CONFIGURATIONS [Numbers in brackets indicate millimeters]



PART MARKING

— Vishay Dale
— Date code
— Model

HOW TO ORDER

TA MODEL 10 SIZE 01 DASH NUMBER

Special designs not listed are available on request.