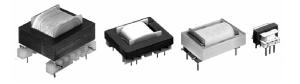
Vishay Dale

## **Through-Hole Transformers Audio, Telephone Coupling**



### **FEATURES**

- Designed to meet FCC Part 68.
- Underwriters Laboratories recognized component (UL Standard 1459, File E147915)



COMPLIANT

- 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
- Compliant to RoHS Directive 2002/95/EC

MODEL	IMPEDANCE ( $\Omega$ )			UNBALANCED	RETURN INSERTION FREQUENCY						
	PRI	SEC	COUPLING APPLICATION	DC CURRENT (mA)	LOSS MIN. (dB)	LOSSES AT 1 kHz (dB)	RESPONSE REF. AT 1 kHz (dB)	IMPEDANCE MATCHING	DISTORTION	STYLE	SCHEMATIC NUMBER
TA-10-08	600	600	DATA/VOICE	0	26	1.0	± 0.5	± 10 %	0.5 %	С	5
TA-10-07	600	600	DATA/VOICE	0	26	1.0	± 0.5	± 10 %	0.5 %	J	5
TA-30-06	600	600	DATA/VOICE	0 to 5	14	1.5	± 1.5	± 25 %	5.0 %	J	5
TA-10-05	600	600	DATA/VOICE	0	26	0.6	± 0.5	± 10 %	0.5 %	В	5
TA-30-02	600	600	DATA/VOICE	0 to 5	15	1.4	± 1.5	± 25 %	5.0 %	В	5
TA-30-03	600	600	DATA	0 to 90	8	2.4	± 1.0	± 25 %	5.0 %	G	5
TA-32-02	600	600	DATA/VOICE	0 to 80	11	1.2	± 1.5	± 25 %	5.0 %	М	13
TA-40-01 <sup>(1)</sup>	600	600	DATA/VOICE	0 to 90	14	1.7	± 2.0	± 20 %	0.5 %	Ν	13
TA-33-02	600	600	DATA/VOICE	0 to 100	8	1.6	± 1.5	± 25 %	5.0 %	E	15
TA-30-04	600	600 CT	DATA	0 to 90	8	2.4	± 1.0	± 25 %	5.0 %	Н	9
TA-10-04	600 CT	600 CT	DATA/VOICE	0	26	0.6	± 0.5	± 10 %	0.5 %	Α	4
TA-30-01	600 CT	600 CT	DATA/VOICE	0 to 5	15	1.4	± 1.5	± 25 %	5.0 %	А	4
TA-31-01	600 SPLIT	600	DATA/VOICE	0 to 50	8	1.4	± 1.5	± 25 %	5.0 %	K	11
TA-32-03	600 SPLIT	600	DATA/VOICE	0 to 80	11	1.2	± 1.5	± 25 %	5.0 %	L	14
TA-13-01	600	600 SPLIT	DATA/VOICE	0 to 75	13	1.2	± 0.5	± 10 %	0.5 %	E	7
TA-33-01	600	600 SPLIT	DATA/VOICE	0 to 100	8	1.6	± 1.5	± 25 %	5.0 %	E	7
TA-10-01	600	600/600	DATA/VOICE HYBRID	0	26	0.8	± 0.5	± 10 %	0.5 %	А	1
TA-30-05	600	600/600	DATA/VOICE HYBRID	0 to 5	14	1.4	± 1.5	± 25 %	5.0 %	А	10
TA-11-01	600	600/600	DATA/VOICE HYBRID	0	26	0.8	± 0.5	± 10 %	0.5 %	D	1
TA-30-07	600	900	DATA/VOICE	0 to 5	14	1.5	± 1.5	± 25 %	5.0 %	J	2
TA-10-02	600	900	DATA/VOICE	0	26	0.7	± 0.5	± 10 %	0.5 %	В	2
TA-32-01	600/900	600	DATA/VOICE	0 to 100/0 to 120	8	1.4	± 1.5	± 25 %	5.0 %	L	12
TA-14-01	600	600/900	DATA/VOICE	0 to 100/0 to 120	14	0.5	± 0.5	± 10 %	0.5 %	F	8
TA-10-06	900	900	DATA/VOICE	0	26	0.7	± 0.5	± 10 %	0.5 %	А	6
TA-10-03	4K	600	DATA/VOICE	0	22	0.7	± 0.5	± 10 %	0.5 %	В	3
TA-23-01	600	600 SPLIT	DATA/VOICE	0 to 75	13	1.2	± 0.5	± 10 %	0.5 %	Е	16

#### Note

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

#### **ELECTRICAL SPECFICATIONS**

Power Level: - 45 dBm to + 7 dBm except TA-40-01 (- 45 dBm to + 10 dBm) Longitudinal Balance: Per FCC 68.310 60 dB minimum = 200 Hz to 1000 Hz 45 dB minimum = 1000 Hz to 4000 Hz Dielectric Strength: 1500 V<sub>RMS</sub> Frequency Range: Data/voice = 300 Hz to 3500 Hz Data = 800 Hz to 3500 Hz

### **MECHANICAL SPECIFICATIONS**

**Coating:** Impregnated with polyester varnish **Terminals:** Precision spaced PC type plug-in terminals

Revision: 06-Dec-11

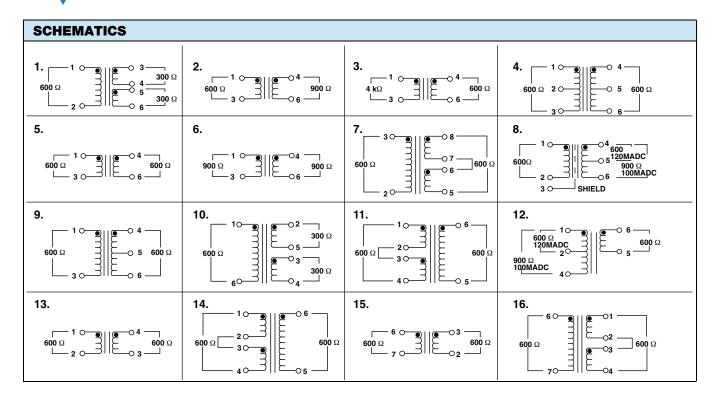
1 For technical questions, contact: <u>magnetics@vishay.com</u> Document Number: 34076

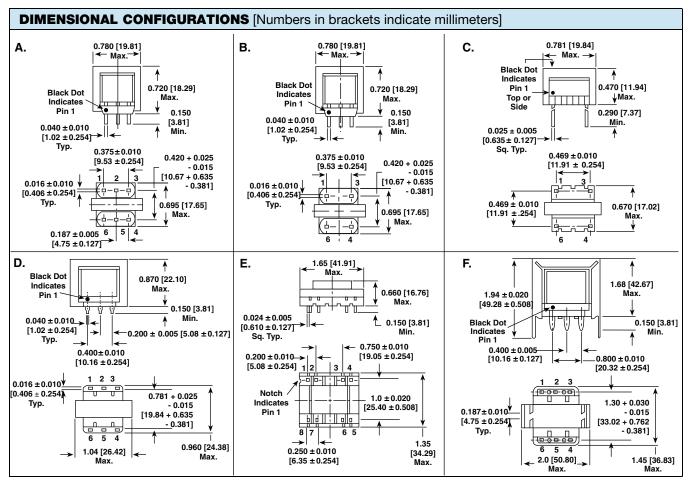
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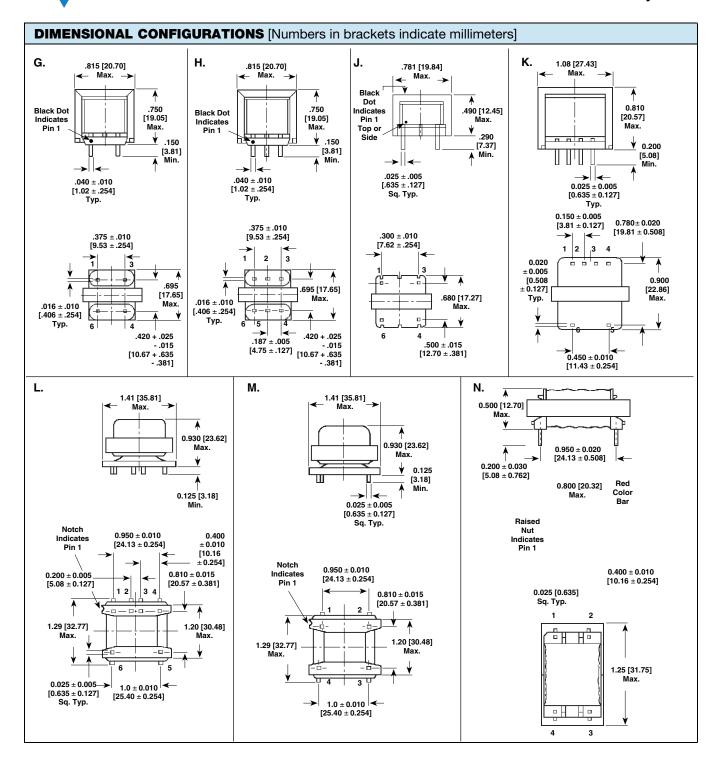
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#### **PART MARKING**

- Vishay Dale
- Date code
- Model

Revision: 06-Dec-11

Document Number: 34076

	vishay.com			<b>TA</b> Vishay Dale
ORDERING INFO	RMATION			
<b>TA</b> MODEL	10 STYLE	<b>01</b> DASH NUMBER	EB PACKAGE CODE	e2 JEDEC LEAD (Pb)-FREE STANDARD
GLOBAL PART N	IUMBER			
	A	1 0 STYLE	E B PACKAGE CODE	0 1 DASH NUMBER



Vishay

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Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

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