

Bulletin VTL 3-A

Typical applications for these couplers are SCR and Triac turn-on, telephone interconnect circuits, noiseless audio switches, remote low voltage control and automatic gain control.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

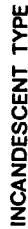
^{***}Available in dual cell version; add /2 e.g. VTL383/2, to part no. On-resistance of each side is increased 50%, and voltage rating is reduced to half.

POWER

NEON TYPES-EXTERNAL LIMIT RESISTOR REQ'D. (2)

SPECIFICATIONS @ 25°C

48 hours in a 120 VAC circuit with 27K series resistance. See note 2 for breakdown limits.

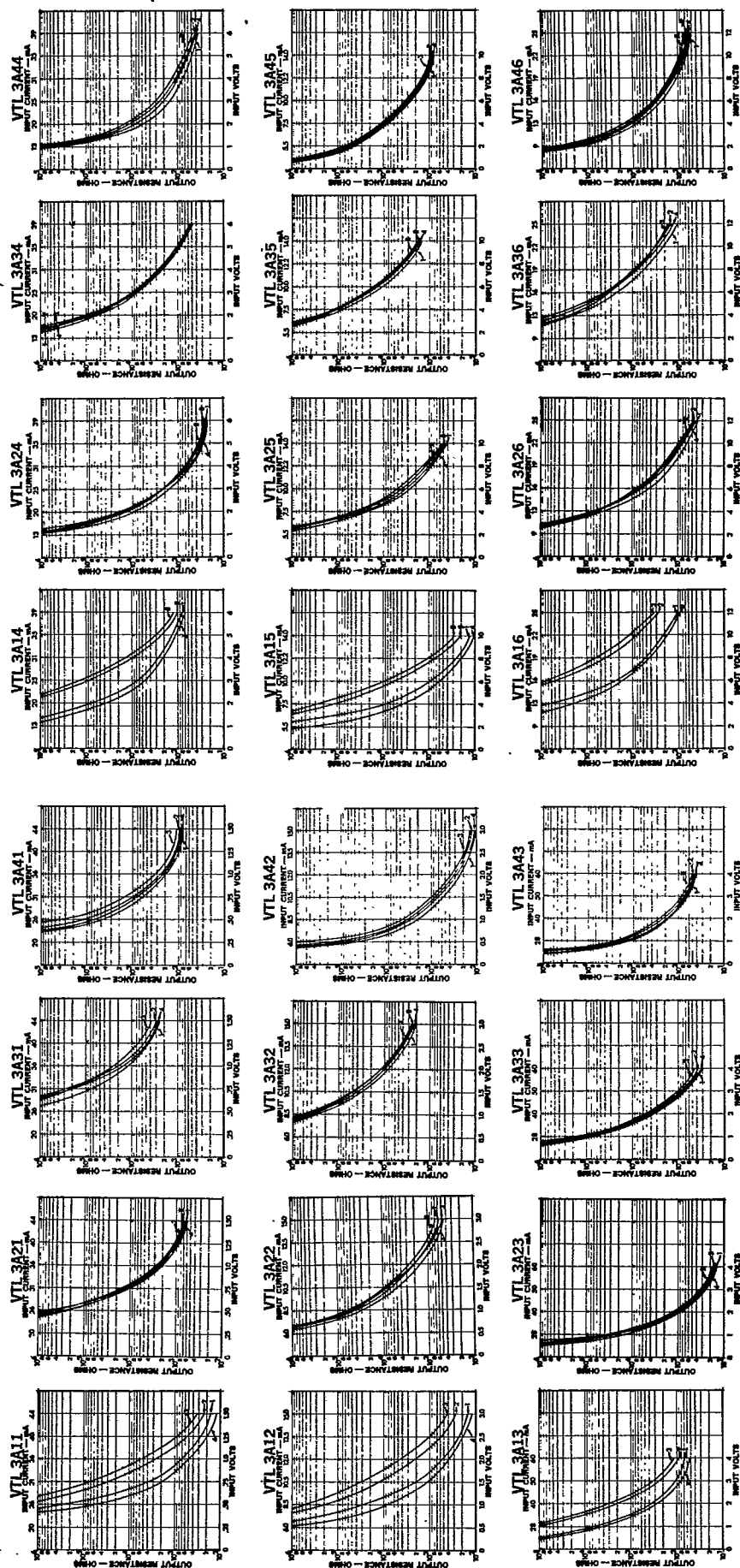


(1) **INCANDESCENT LAMPS:** These lamps may be operated on dc or ac voltage.

- 25

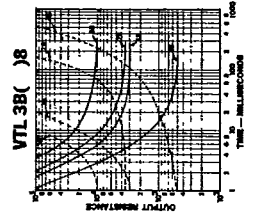
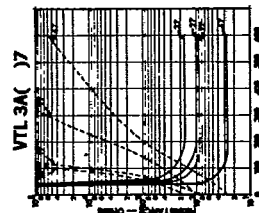
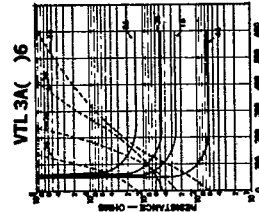
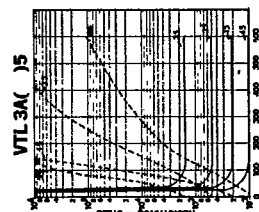
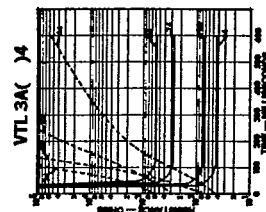
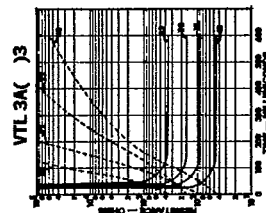
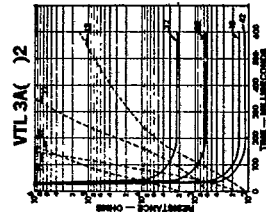
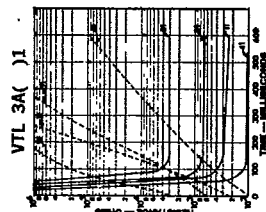
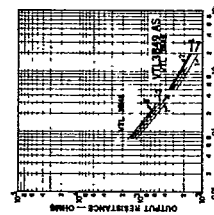
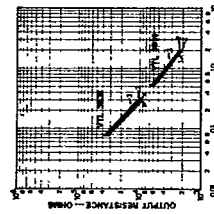
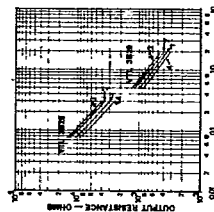
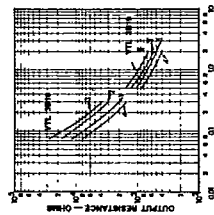
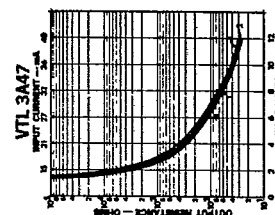
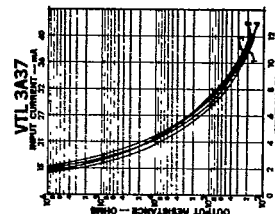
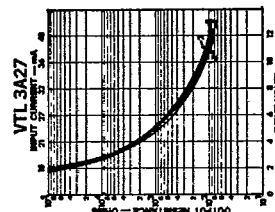
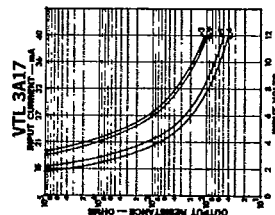
Bulletin VTL 3-A

OUTPUT RESISTANCE VS. INPUT VOLTAGE/CURRENT



OUTPUT RESISTANCE VS TIME AFTER APPLICATION (RISE) OR REMOVAL (DECAY) OF INPUT

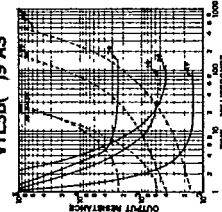
BULLETIN VTL3-A



NOTES:

1. All curves are typical.
2. Where guaranteed transfer characteristics are required over a range of input conditions, please consult the factory.
3. The output transfer curves, show the output resistance vs. input voltage and current after the following adapt conditions:
 - (1) 25°C — 24 hour no input
 - (2) 25°C — 24 hour at rated input
 - (3) 50°C — 24 hour at rated input
 - (4) -20°C — 24 hour at rated input

VTL3B()9 AS VTL3B()9 AS



NOTES:

1. Incandescent lamp ascent times are reduced 25-30 ms for rapid reapplication of the lamp voltage. The ascent times shown on these graphs are based upon low lamp source impedance.
2. Ascent time for units using neon lamps are based on zero ionization time.
3. Response time characteristics are based upon tests following adapt condition (2).
4. Rise times shown in solid lines, decay times are dashed lines.