

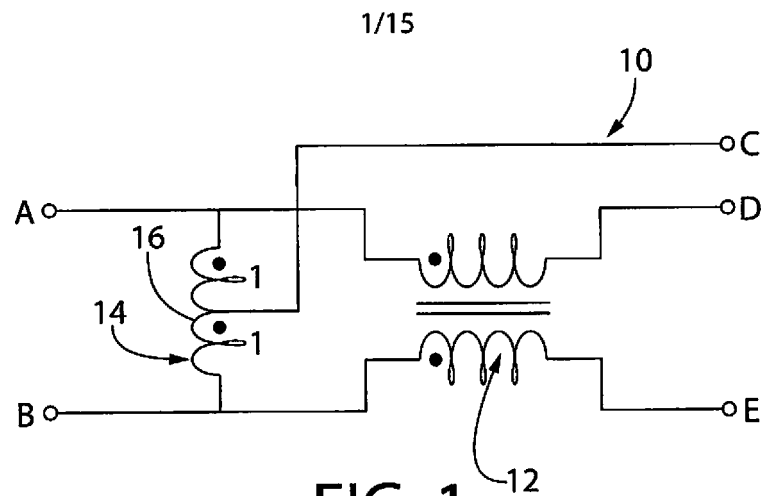
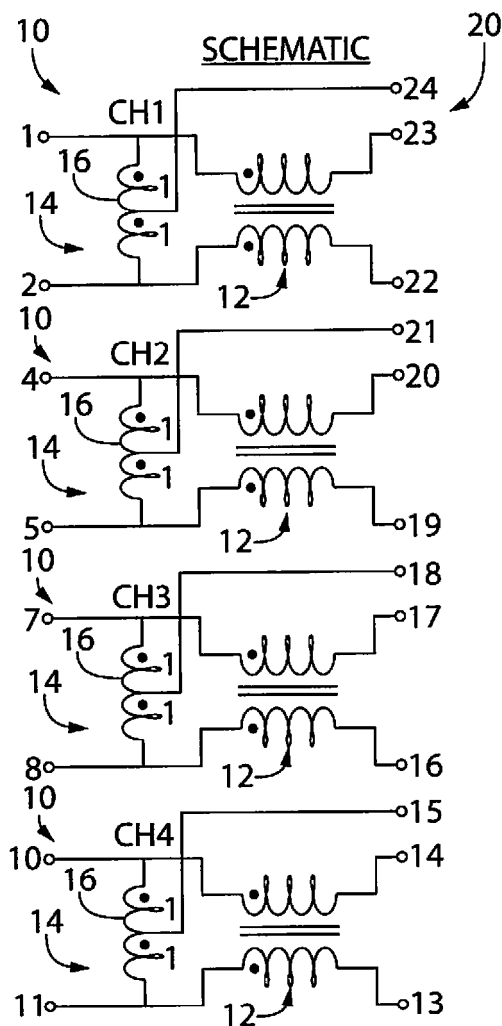


FIG. 1

ELECTRICAL SPECIFICATION @25°C

INDUCTANCE
 (22-23)=(19-20)=(16-17)=(13-14) 500 μ H Min
 @100kHz, 100mV

RETURN LOSS
 1 MHZ TO 125MHZ = -30DB MIN
 300 MHZ TO 500MHZ = -15DB MIN

INSERTION LOSS
 100KHZ = -3DB MIN
 1MHZ TO 500MHZ = -0.7DB MAX

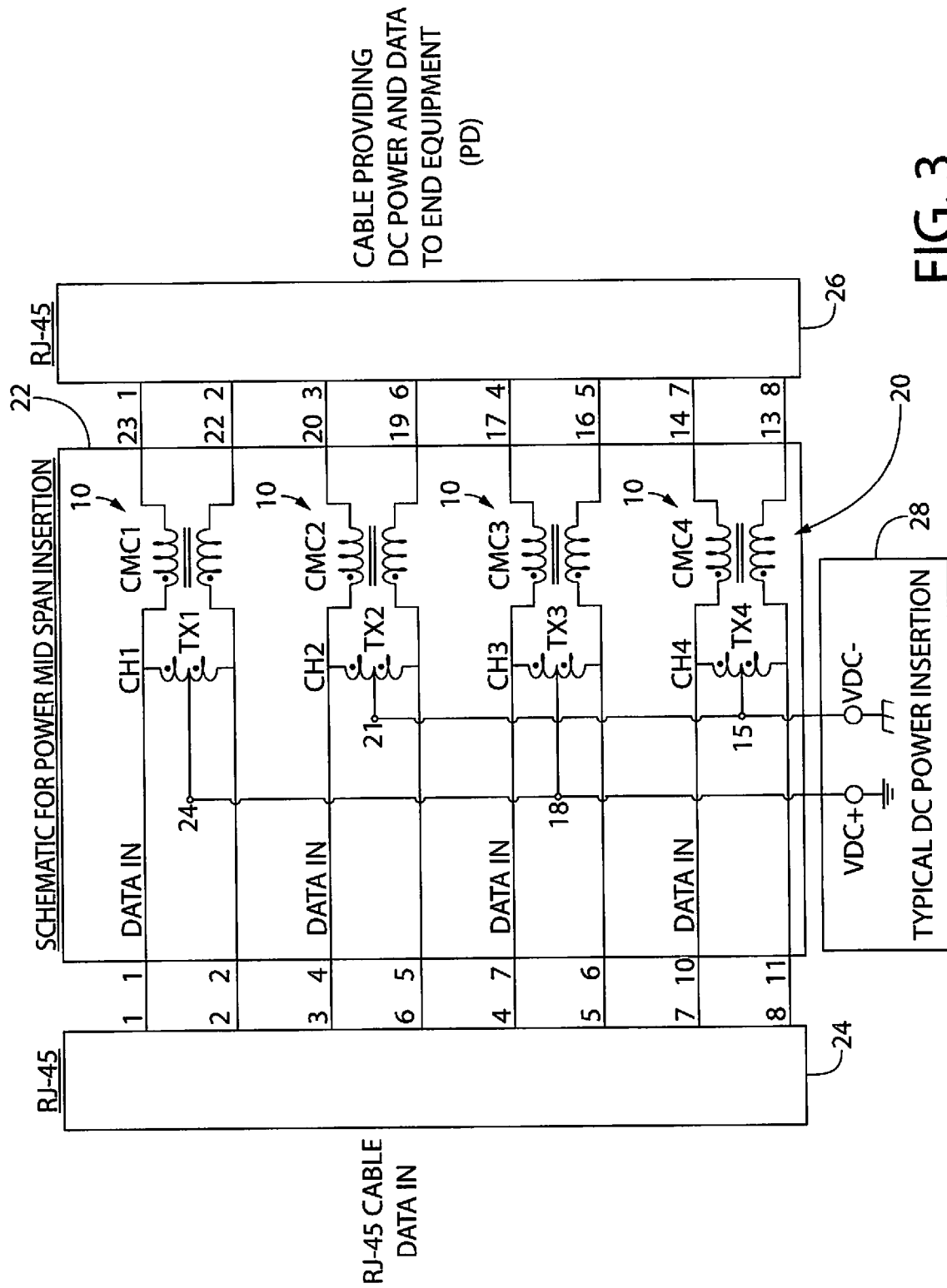
CROSTALK
 1MHZ TO 100MHZ = -43DB MIN
 100MHZ TO 500MHZ = -33DB MIN

COMMON TO DIFFERENTIAL
 1MHZ TO 250MHZ = -33DB MIN
 250MHZ TO 500MHZ = -25DB MIN

DESIGNED TO SUPPORT 57V, 60W APPLICATION
 WHEN PHANTOM

POWERING ALL 4 CHANNELS

FIG. 2



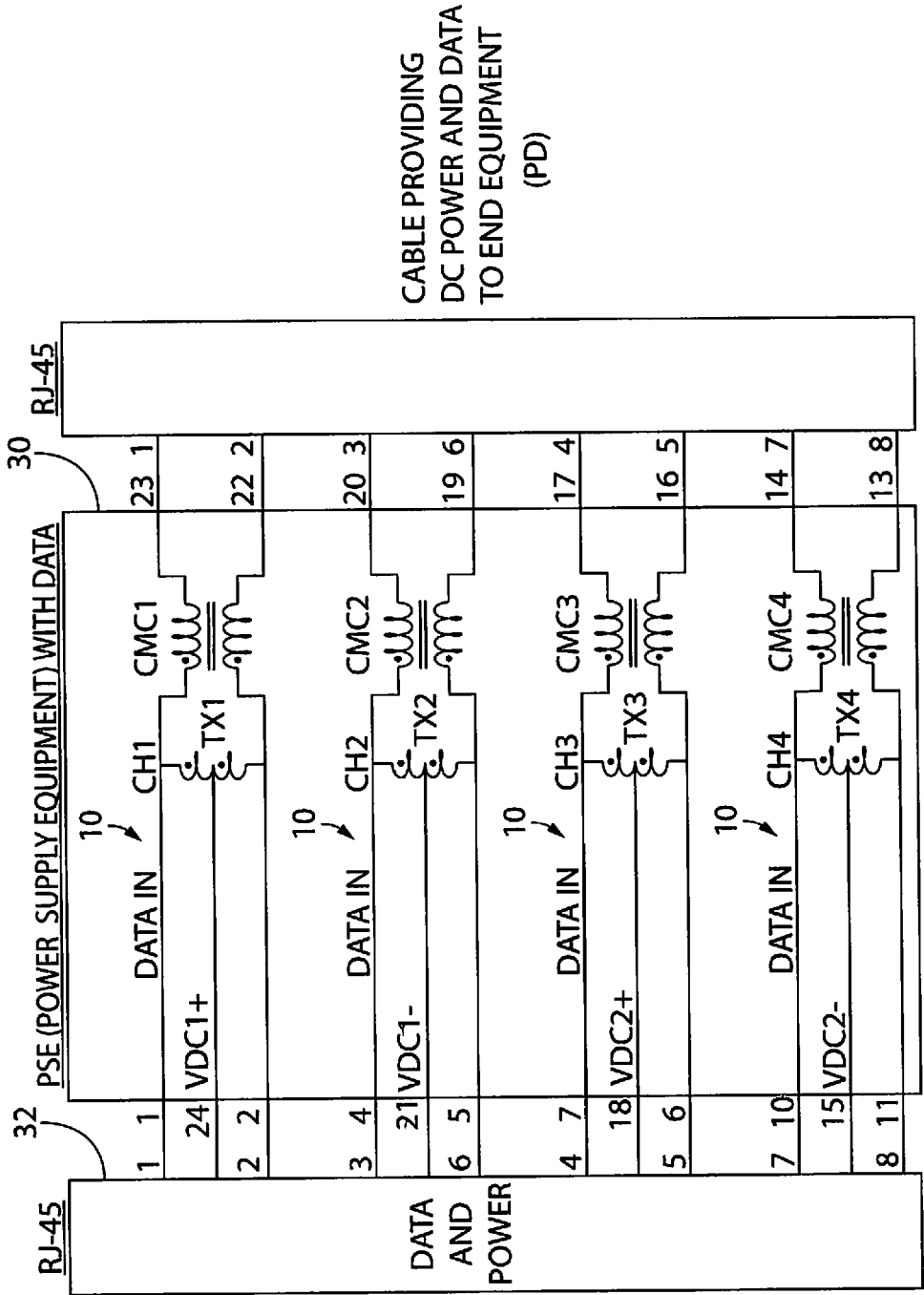


FIG. 4

4/15

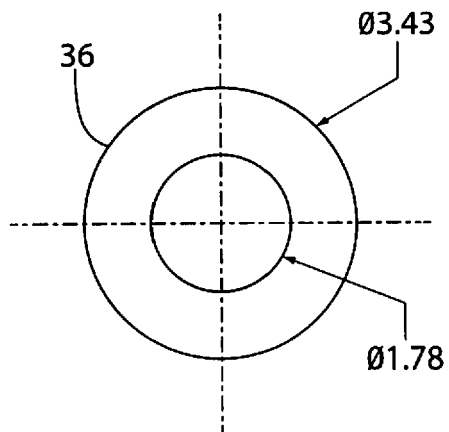


FIG. 5A

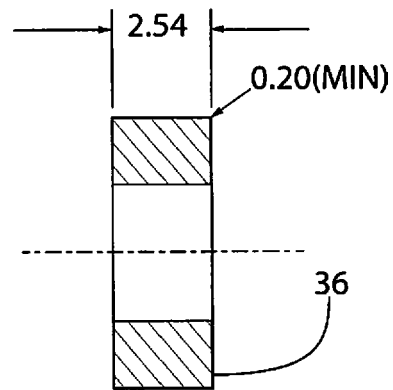


FIG. 5B

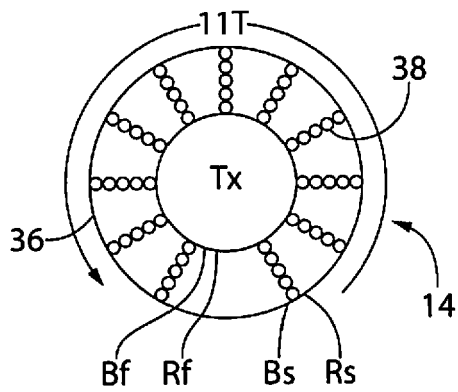


FIG. 6

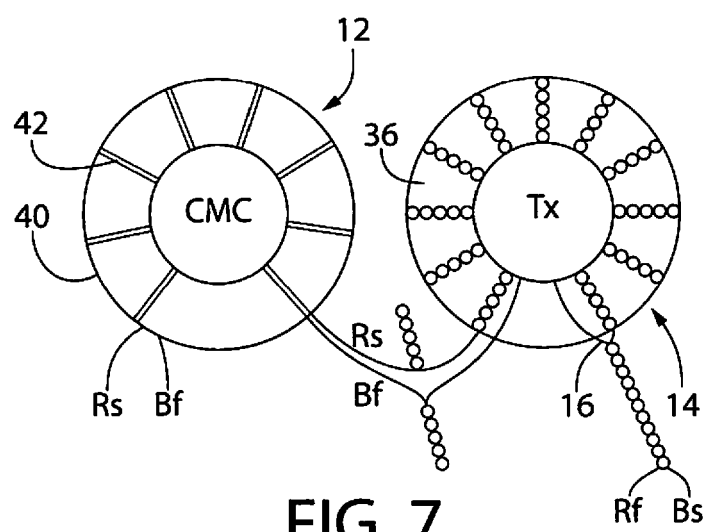
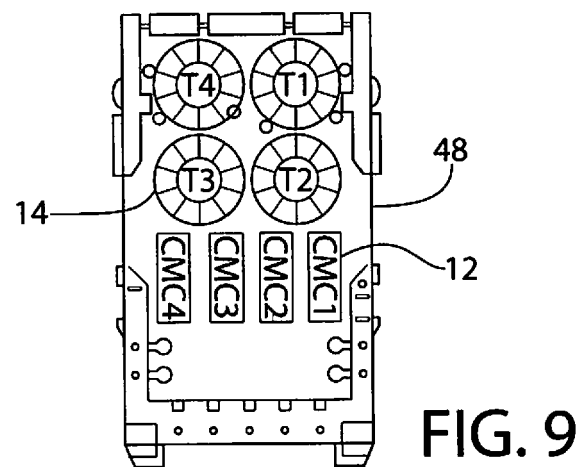
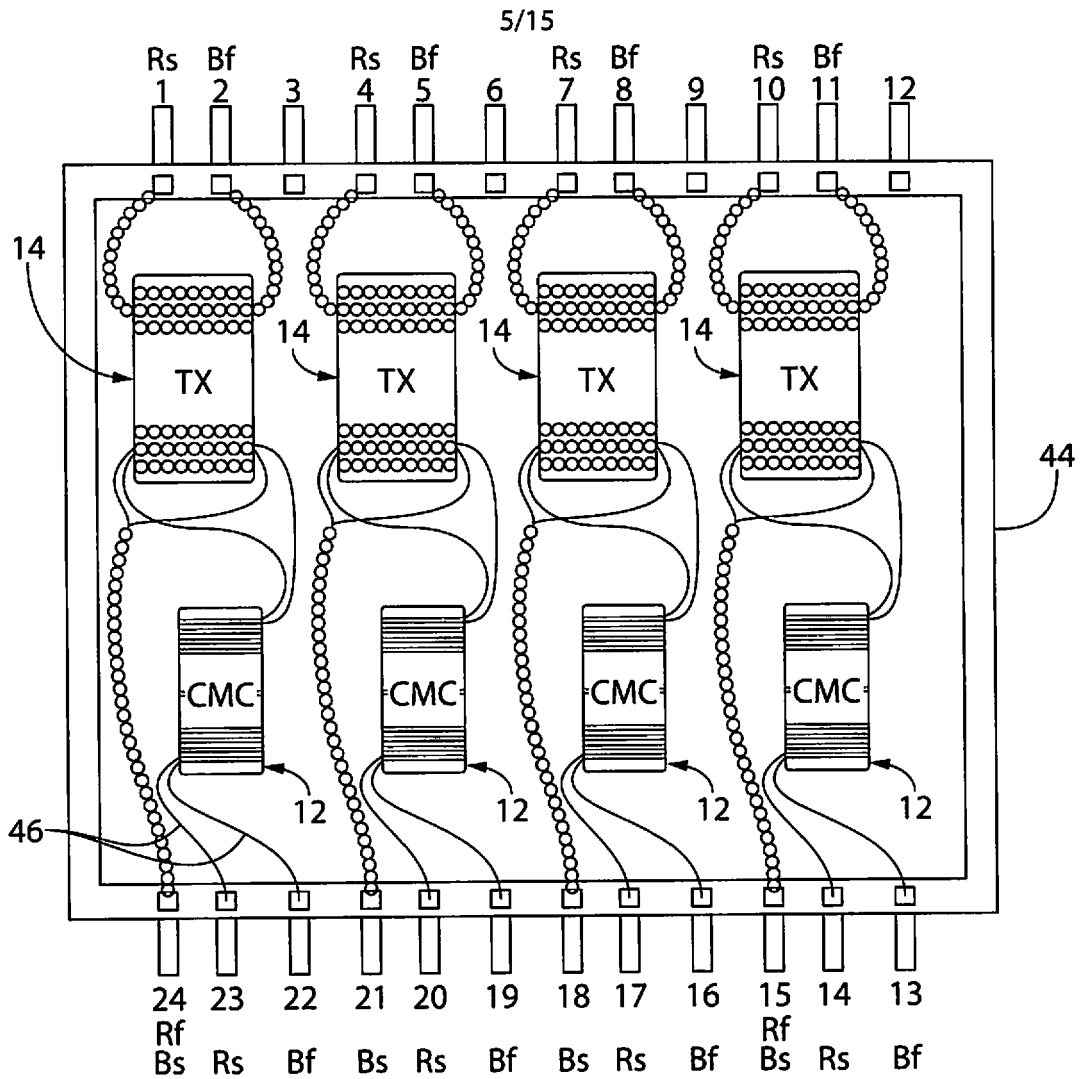


FIG. 7



6/15

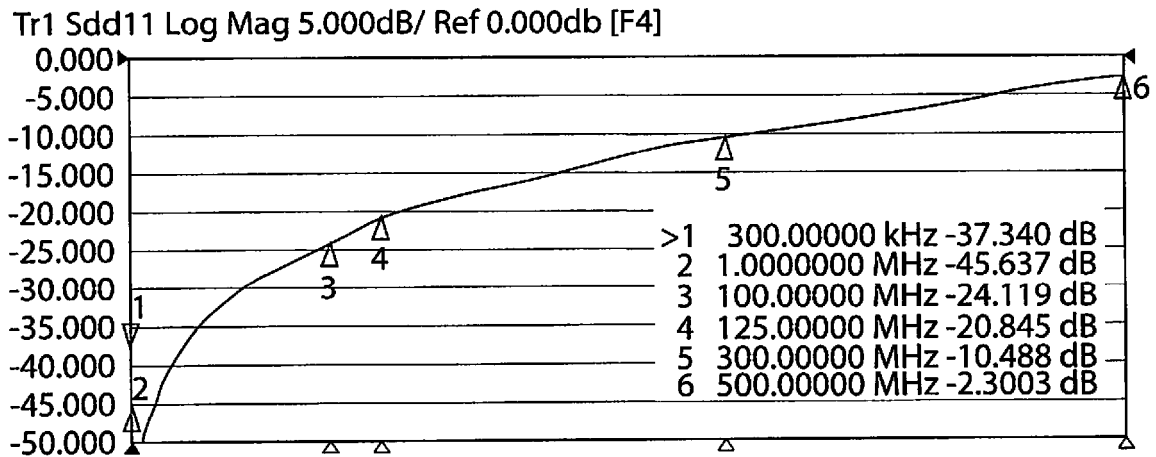


FIG. 10A

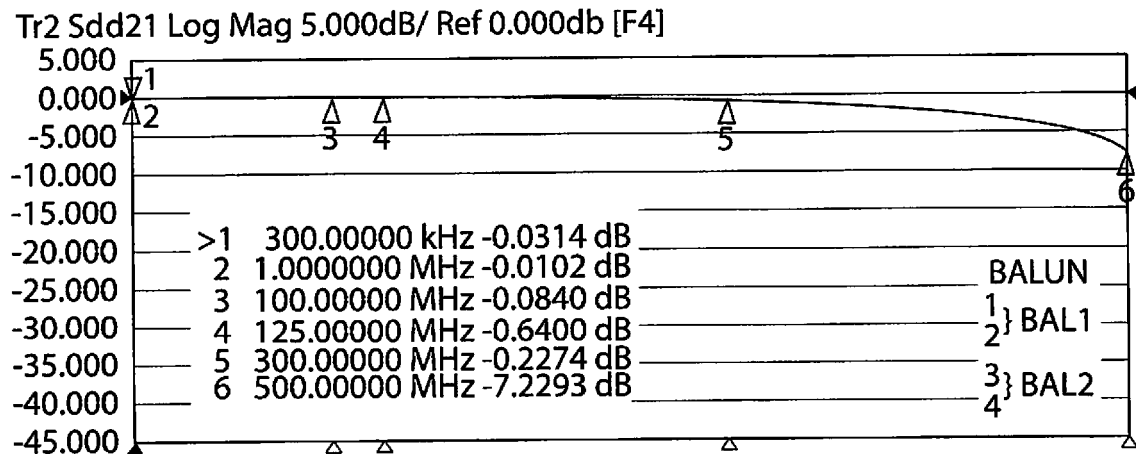


FIG. 10B

7/15

Tr1 Sdd11 Log Mag 5.000dB/ Ref 0.000db [F4]

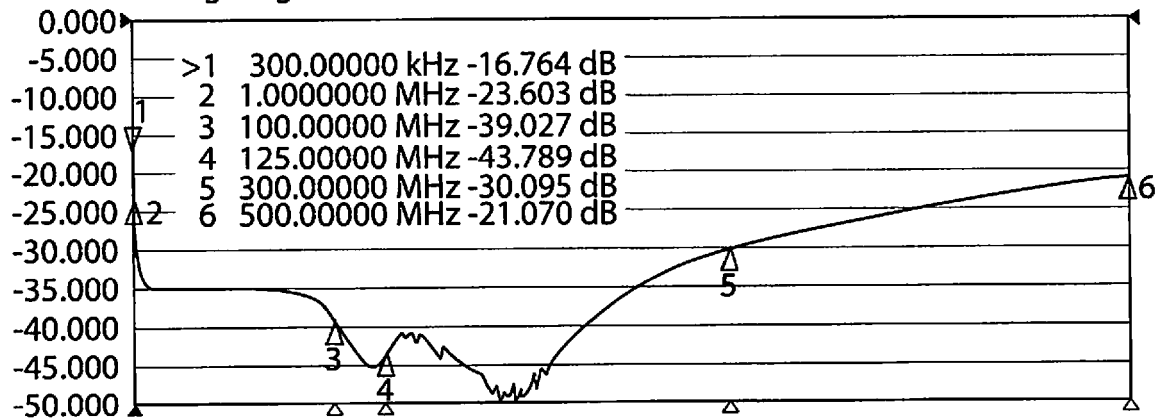


FIG. 11A

Tr2 Sdd21 Log Mag 5.000dB/ Ref 0.000db [F4]

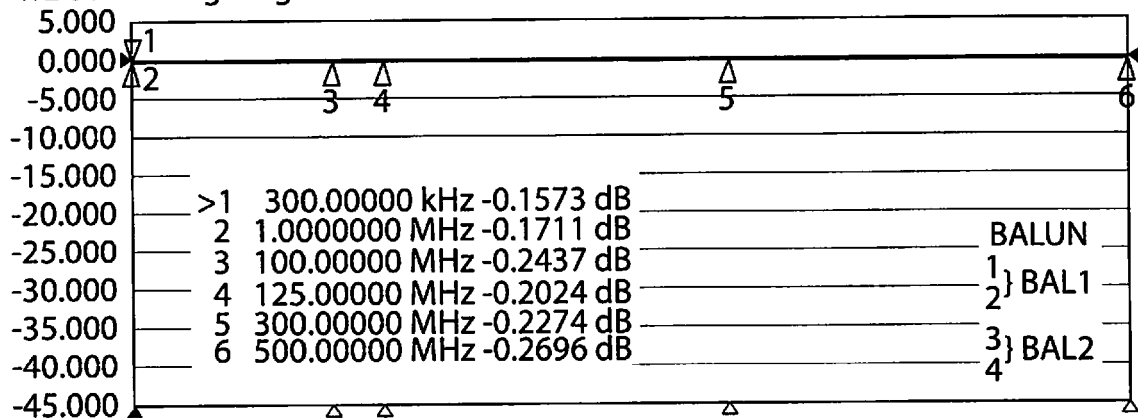


FIG. 11B

ELECTRICAL CHARACTERISTICS @ 25°CINDUCTANCE @ 100kHz/100mVRMS

(8-9) = (2-3) = (4-5) = (10-11) 500μH MIN.

INS. LOSS

100 KHz -0.7 dB MAX

1 MHz - 500MHz -3 dB MAX

RET. LOSS

1 MHz - 125 MHz -30 dB MIN

300 MHz - 500 MHz -15 dB MIN

CROSS TALK

1 MHz - 100 MHz -43 dB MIN

100 MHz - 500 MHz -33 dB MIN

CM TO CM REJ

1 MHz - 100 MHz -40 dB MIN

100 MHz - 300 MHz -35 dB MIN

300 MHz - 500 MHz -30 dB MIN

CM TO DM REJ

1 MHz - 250 MHz -33 dB MIN

250MHz - 500 MHz -25 dB MIN

CM TO DM REJ

1 MHz - 250 MHz -33 dB MIN

250MHz - 500 MHz -25 dB MIN

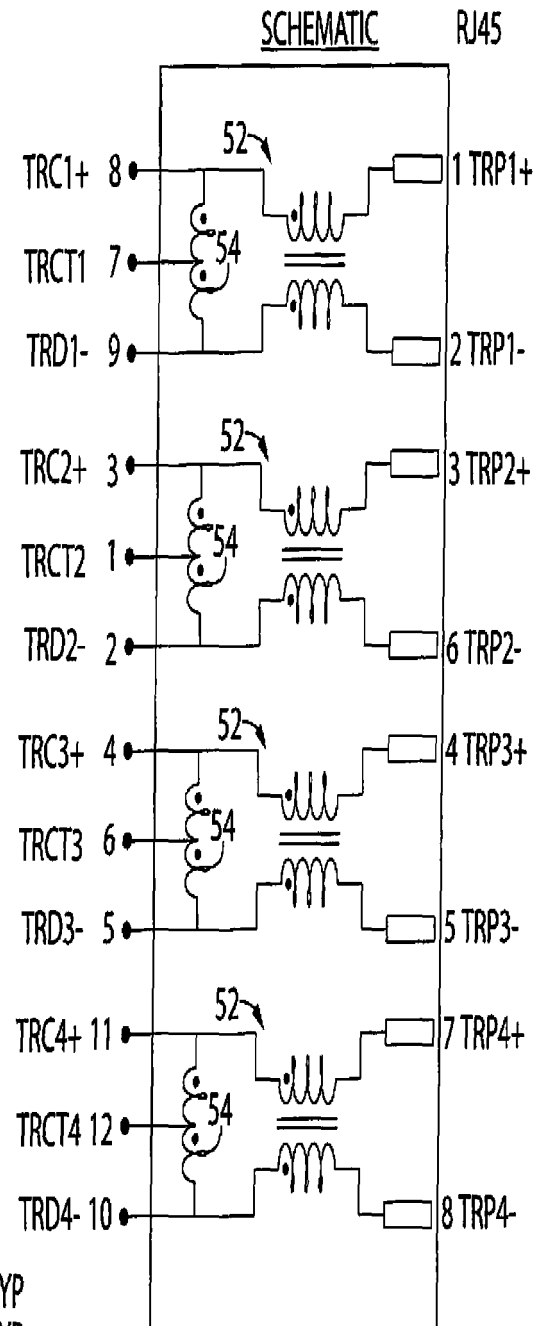
LED1 AND LED2VF (FORWARD VOLTAGE) IF = 20mA GREEN 2.2V TYP
YELLOW 2.1V TYPλD (DOMINANT WAVELENGTH) IF = 20mA GREEN 570nm TYP
YELLOW 590nm TYPDESIGNED TO SUPPORT 57V, 100W APPLICATION WHEN PHANTOM
POWERING ALL 4 CHANNELS

FIG. 12

9/15

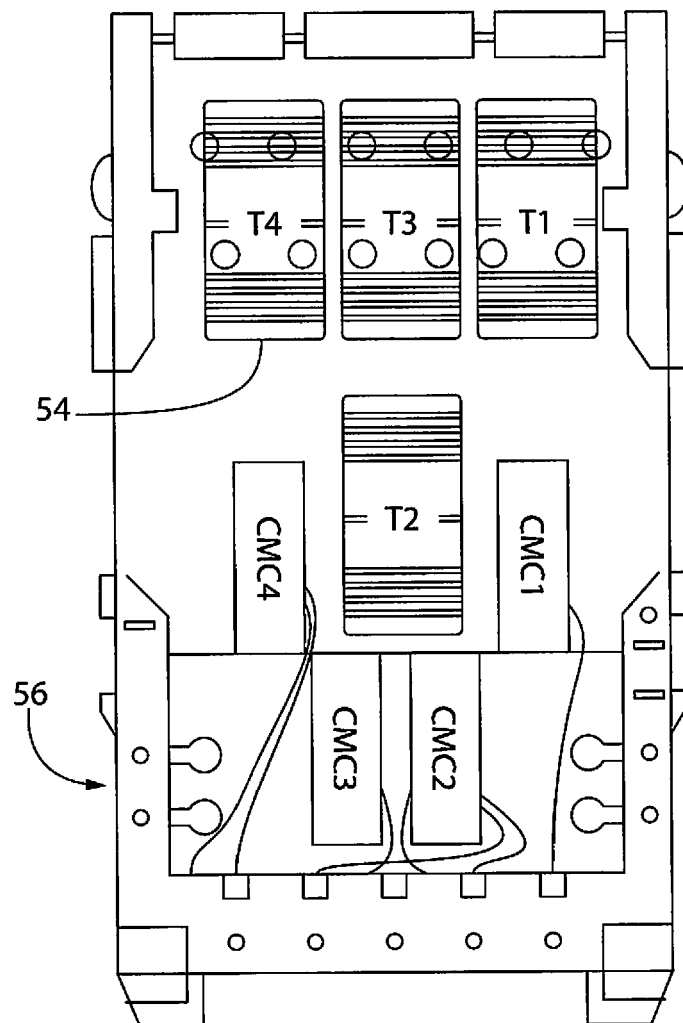


FIG. 13

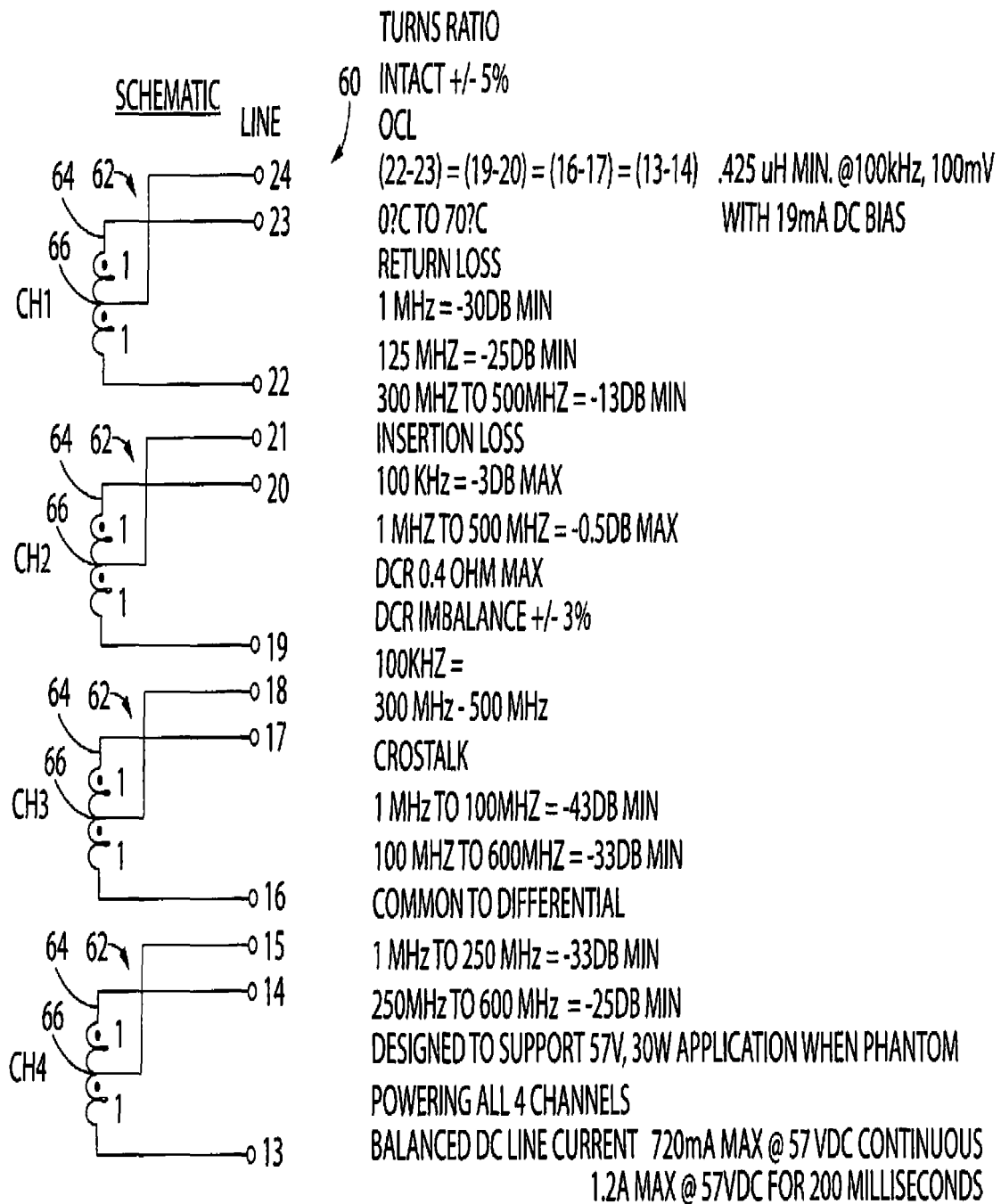
ELECTRICAL SPECIFICATION @ 25°C

FIG. 14

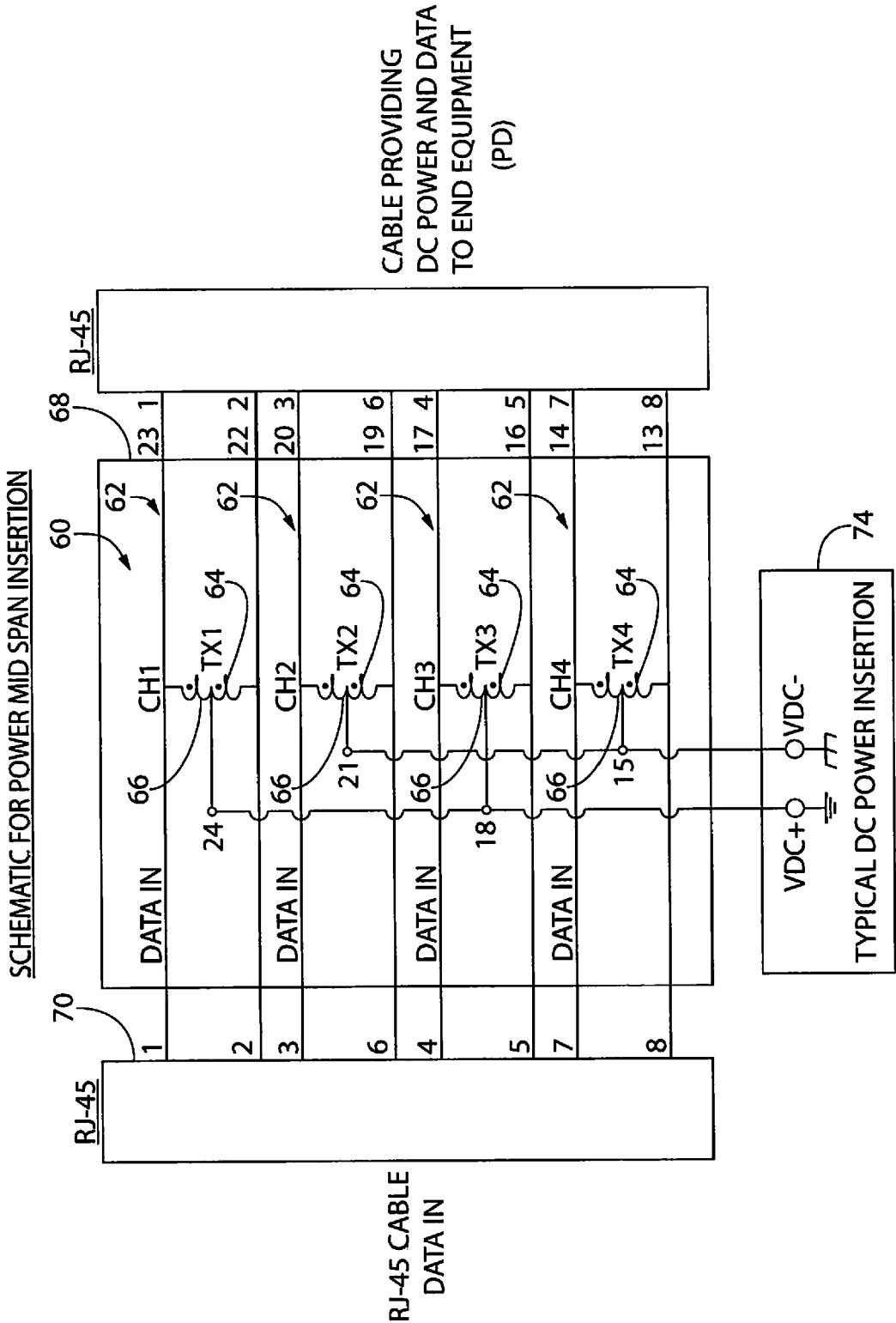


FIG. 15

12/15

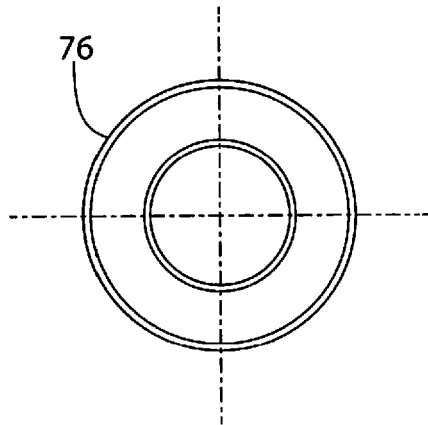


FIG. 16A

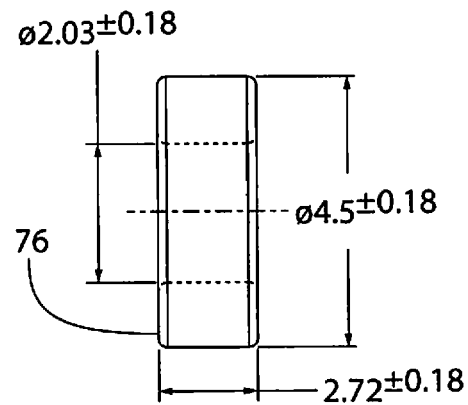


FIG. 16B

TX WINDING

1. R ON TX WIND 8T OVER 160° ARC, TAKE Rf RETURN CONTINUE WIND 4T EVENLY DISTRIBUTE
2. N ON TX WIND 8T OVER 160° ARC, TAKE Ns RETURN CONTINUE WIND 4T EVENLY DISTRIBUTE

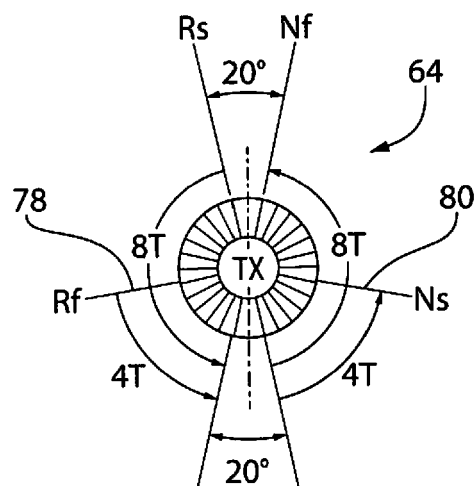


FIG. 17

13/15

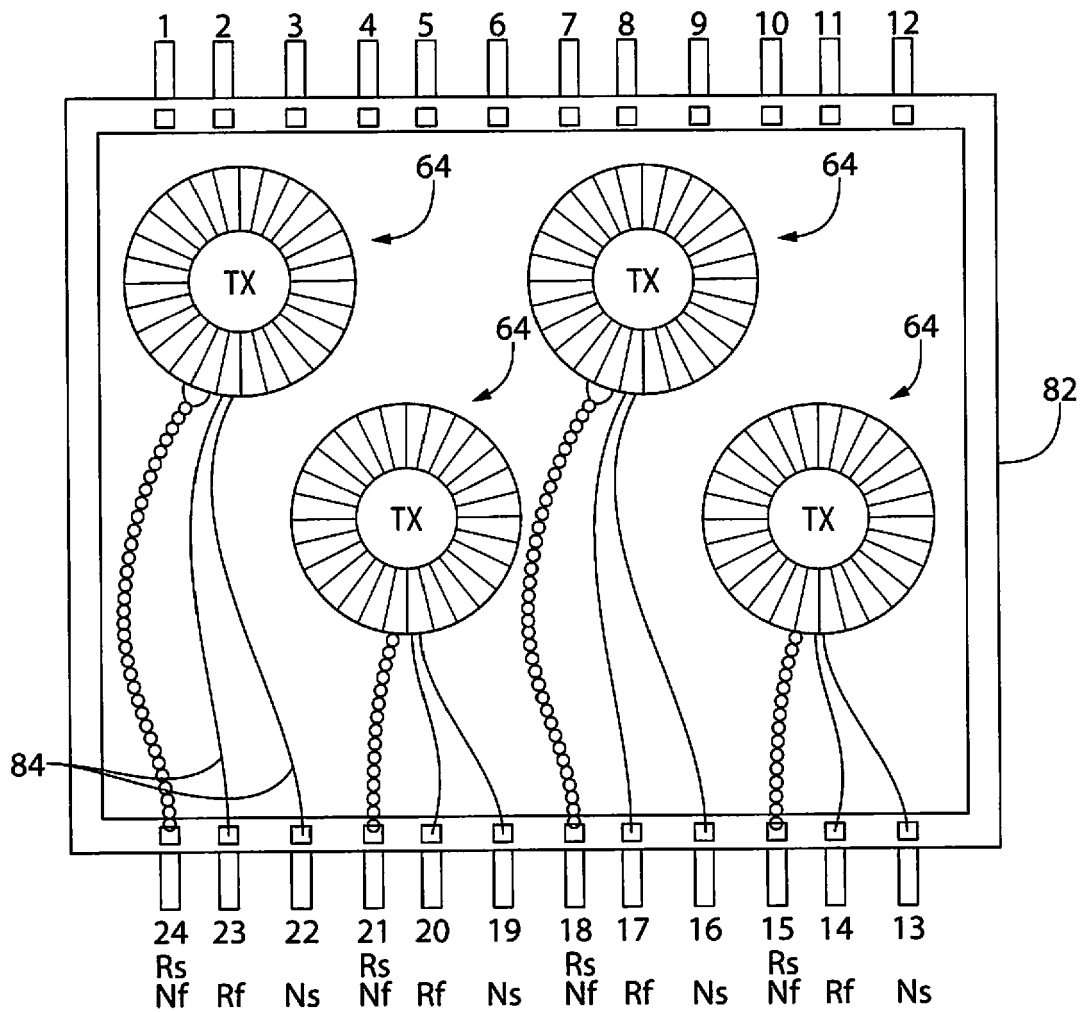


FIG. 18

14/15

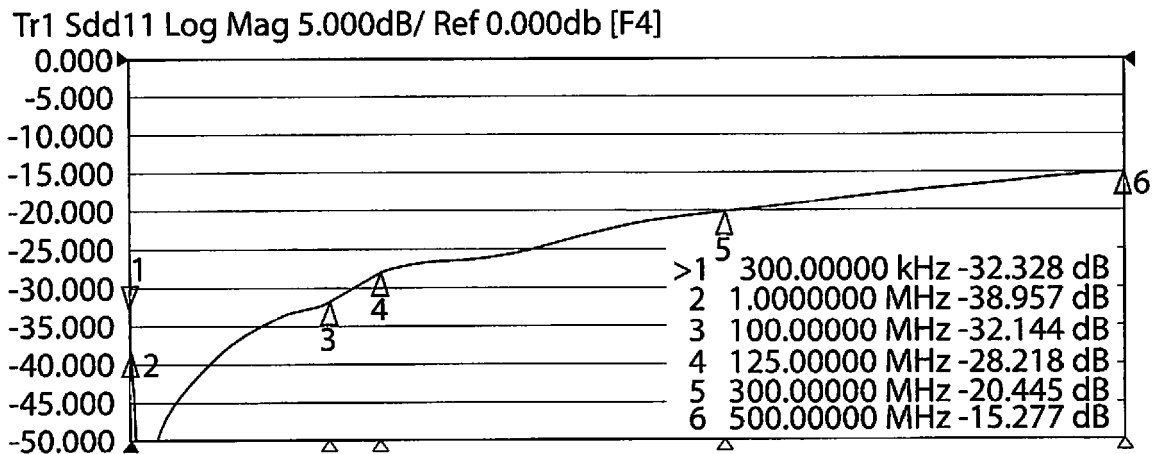


FIG. 19A

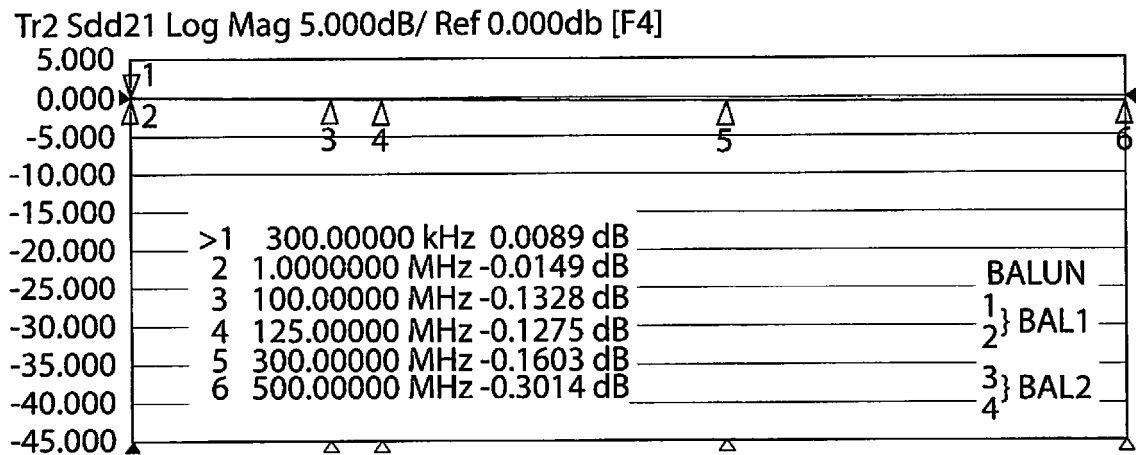


FIG. 19B

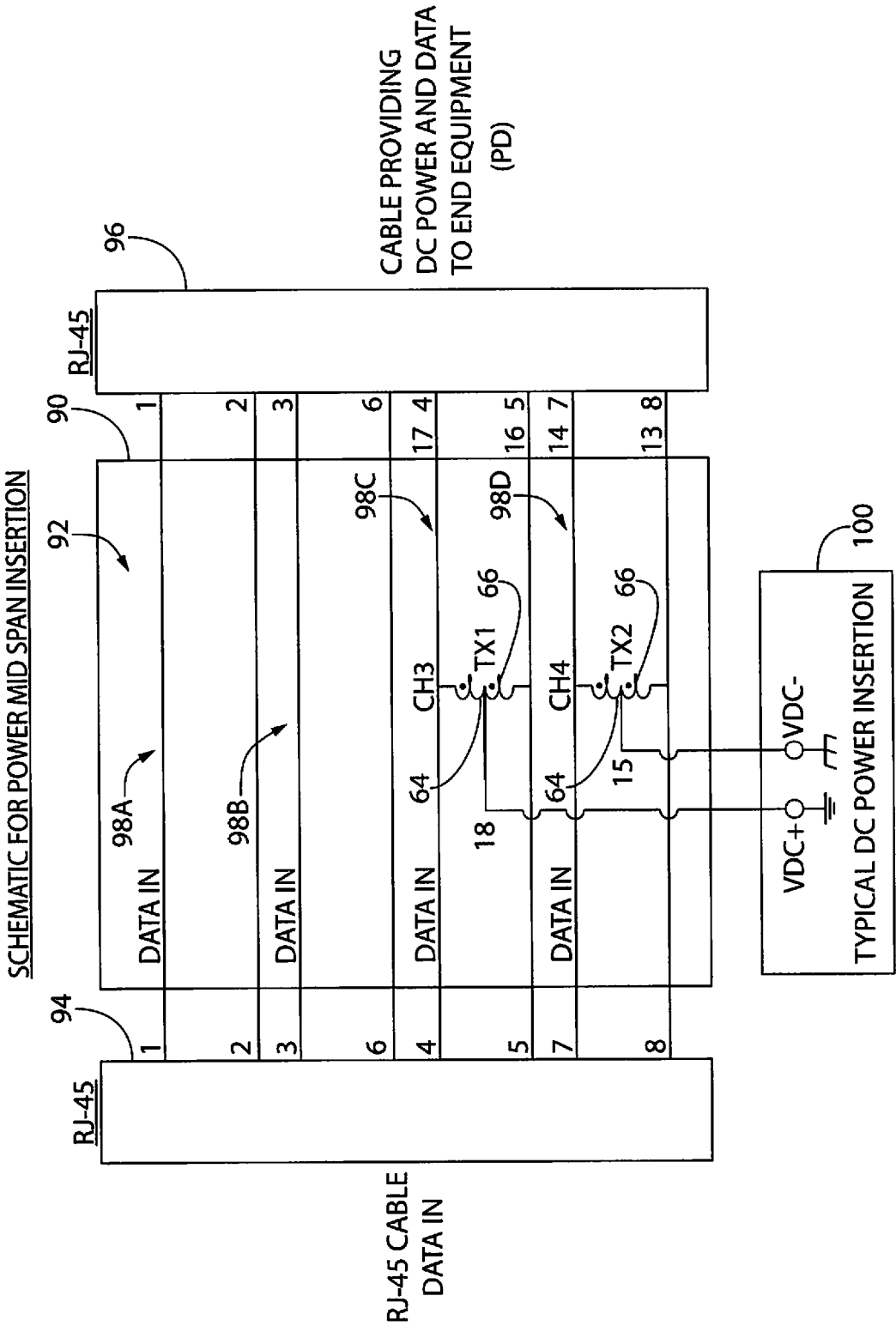


FIG. 20