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APPAREATICAN ION ON TAMENTION DC INPUT VOUT PRIMARY SECONDARY lampenacementions VOLTAGE A colderating of each of the second terms to a second the second terms of (lumenta) Histyoungelegotropportional to lange, current where lange vellacted evidences to revolution of the second s operatingeree6geheaetectroitage is dependent on the diameter adulticity to the law as usecrever exponentiated resultation as the langetype and coverence of the part of the second second second second second second second of the piezoeteckne fansk DECENTRY equency of the syste STRAASRORMER STAGE PIE7OFI FRIC GAIN CCHL CURRENT -(, V: 4 V**⊈**LENGTH ENCY bu OLTAGE AND INDEDANC RE MECHANICAL 300 AMPLIFIER800 3000 DISPLACEMENT ROUT = 750 k LAMP VC + MECHANICA REF VOLTAGE CONTROLLED ELECTRIC MECHANICAL OSCILLATOR ELECTRIC FORCE 750 250 POTENTIAL FOR 25 PO + RRI POTENTIAL -1 MPCII ≶ R_{OUT} = 500 k SENSE VGAIN – Gain – V 700 2000 200 MECHANICAL UDG-01101 STRESS 1500 7 fol System for Variable Fr control Figure 1 DG-01076 150 0 enci LAMP $R_{OUT} = 250 \, k$ IMPEDANCE B) NDE -01099 Figure 7. Typ ramming the Mode Piezoelectric Transformer for CC-L Applications 1000 P689 A typ Rout = 100 k A typ Rout = 100 k similar control of the performance of the performan mutiple static provention of the static stat of COSC and length gharge currents generated in ROSC and RANGE. The goor in all discharge time at OSC is set by Rosc and Cosc (see equation [8]), the frequency range is programmed by adjusting the discharge time with Voltage gain is a function of the PCMP voltage (see equation [9]). variable that the part of the overall left as follows: nominal A simplified blotengitagranayeers PZT based backlight converter is shown in Figure 11. The PZT is driven by a resonard power stapper to see amplitude is proportional to input voltage. The PZT then provides the voltage gan necessary to drive the tamp. A control loop is formed around the error amplifier that compares average lamp An electrode at Youte is used to recover the amplified electrical potential at the second rive resulting control with famp voltage V_C drives a VCO that determines the operating frequency of the resonant power stage. (8) The frequency range of the VCG musk involuted the strike, and operating frequencies of the PZTR with some toleralacted integrities of the second s ohnwitee digaukado is pteoximple of the even of the to the second at the second of the (9) Manya Arta Maine and a second a second a second with a second second second second second second second second Work with the ways opened on the hard side of resonance. 1 Frequency V_{COMP} t_{DISCH} V_{COMP} t_{CHG} (10)



