

40 Max temp: 100°C Mar forward current @ 100-6: 10 ml Formed voltage @ 10 ml: ~2V V= IR 3.3 = V_R + V_L 1.3 = 0.0 | (R, . 1.05) R,= 130 R, = 124a 3.3 = 1.3 + 2 3 3 $5a) V_{out} \approx 1.242 \cdot \left(1 + \frac{470,000}{280,000}\right)$ 5 D 5b) VMAK = 1.242 · (1+ 474,700) 6 ~ 3.369 V 3 VMIN = 1.242 · (1 + 465,300) 0 -13.286 V 6 54) 21/2 Accordy 51) Abour 65% efficiency Vous I our VIN (In+ Ig) 3.3 (0.5) 5 (0.5 + 0.008) ~ 0.65

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