

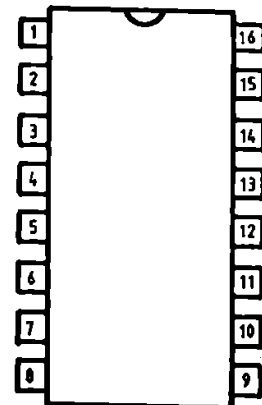
‡ **βTDA 2581**
‡ **βTDA 2582**
CONTROL CIRCUITS FOR SPMS

The βTDA 2581 and βTDA 2582 are monolithic integrated circuits for controlling switched-mode power supplies (SMPS) which are provided with the drive for the horizontal deflection stage.

Features

- Operating temperature	-25 ... +70 °C
Storage temperature	-55 ... +125 °C
Supply voltage	typ. 12 V
- Supply current	typ. 15 mA
Input horizontal drive pulse	typ. 11 Vpp
- Input flyback pulse	typ. 5 Vpp
- External reference voltage	typ. 6.1 V
- Duty factor of output pulse	0... 98+/-0.8 %
Output voltage at IO < 20 mA (peak value) ..	typ. 11.8 V
- Output current (peak value)	max. 40 mA

- | 1. Phase detector output
- | 2. Flyback pulse position input
- | 3. Reference frequency input
- | 4. Re-start count capacitor remote control input
- | 5. Slow start and transfer characteristic for low feedback
- | 6. Over-current protection input
- | 7. Over-voltage protection input
- | 8. Feedback voltage input
- | 9. Positive supply
- | 10. Reference input
- | 11. Output
- | 12. Maximum duty factor adjustment / smoothing
- | 13. Oscillator timing network
- | 14. Reactance stage reference voltage
- | 15. Reactance stage input
- | 16. Negative supply (GND)



PACKAGE MP-117 / TOP VIEW

‡ Preliminary data