ALTAIR05T-800
Off-line all-primary-sensing switching regulator

Features
■ Constant voltage and constant current output regulation (CV/CC) with no optocoupler
■ Tight regulation also in presence of heavy load transients
■ 800 V avalanche rugged internal power section
■ Quasi-resonant (QR) operation
■ Low standby power consumption
■ Automatic self-supply
■ Input voltage feedforward for mains-independent cc regulation
■ Output cable drop compensation
■ SO16 package

Applications
■ AC-DC chargers for mobile phones and other hand-held equipments
■ Compact SMPS that requires a precise current and/or voltage regulation

Description
ALTAIR05T -800 is a high-voltage all-primary sensing switcher intended for operating directly from the rectified mains with minimum external parts. It combines a high-performance low-voltage PWM controller chip and an 800 V avalanche-rugged power section in the same package.