

## YX7018 – 60V, 70mA, Dual Input Low Quiescent Current LDO

### 1 Features

- 6V to 60V Input Range
- 2.5 $\mu$ A Shutdown Supply Current
- Stable With low-value output ceramic capacitor (4.7 $\mu$ F)
- 70mA specified current
- Low Dropout at 90mA Load
- Available in Fixed output (5V) Dual input
- Output  $\pm$ 2% Accuracy
- Specified current limit
- Thermal Shutdown
- -40°C to +125°C Specified Junction Temperature Range
- Available in ESOP-8 Package

### 2 Applications

- Industrial/Automotive Applications
- Portable/Battery-Powered Equipment
- Ultra-Low Power Micro controllers
- Cellular Handsets
- Medical Imaging

### 3 Description

The YX7018 is a dual-input, single-output high-voltage linear regulator that supplies power to systems with high-voltage input. It includes a wide 6V to 60V input range, low dropout voltage and low quiescent supply current. The low static current and low dropout voltage enables operations at extremely low power levels. Therefore, the YX7018 is ideal for low power micro controllers and the battery-powered electronic devices.

The regulator output current is internally limited and the device is protected against over-load, output short and over-temperature conditions.

The YX7018 also includes thermal shutdown and current limiting fault protection, and is available in ESOP-8 (4.9mmx3.9mm) Package.

[Ordering Information](#) appears at page2 of datasheet.

### 4 Device Information

PART NUMBER	PACKAGE	BODY SIZE (NOM)
YX7018TALAG	ESOP-8	4.9mmx3.9mm

### 5 Typical Application

