

AT5221/AT5221A

High PSRR with Low Supply Current LDO Voltage Regulator



Immense Advance Tech.

FEATURES

- V_{IN} Range : 1.6V to 6.0V
- Low Dropout Voltage : 80mV (Typ)
($V_{OUT}=3.0V$, $I_{OUT}=100mA$)
- Output Current : 200mA
- High Ripple Rejection : 70dB (Typ)($f=1kHz$)
- Excellent Line Regulation : 0.02% / V (Typ)
- Output Voltage Accuracy : 2.0%
- Standby Mode : 0.01 μ A (Typ)
- Over Current and Short Circuit Protection
- Low Supply Current : 25 μ A (Typ)
- Fixed Output Voltage : 1.0V~4.8V (100mV step)
- Enable High Active
- Ceramic capacitors are recommend to be used with this IC : $C_{IN}=C_{OUT}=1\mu F$
- Output Capacitor High-Speed Auto-Discharge (AT5221A)

DESCRIPTION

The AT5221 Series are CMOS-based voltage regulator ICs with high output voltage accuracy, low supply current, low ON-resistance, and high ripple rejection. Each of these ICs consists of a voltage reference unit, an error amplifier resistor- net for voltage setting, a current limit and short circuited protection circuits, and a chip enable circuit.

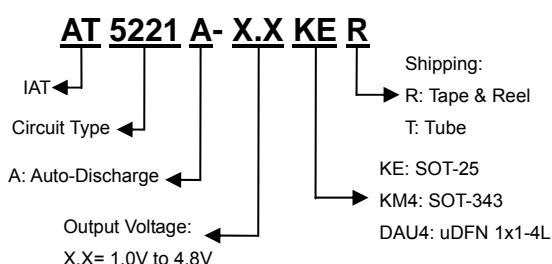
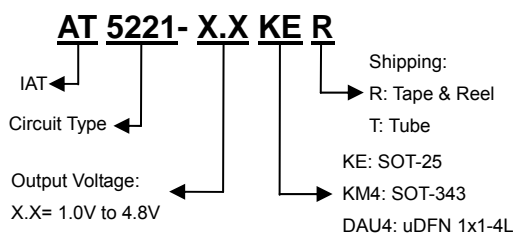
These ICs perform with low dropout voltage and chip enable function. The line transient response and load transient response of the AT5221 Series are excellent, thus these ICs are very suitable for the power supply for hand-held communication equipment.

AT5221 are available in the SOT-25, SOT-343, and uDFN 1x1-4L packages.

APPLICATION

- Power Source for Portable Communication Equipment
- Power Source for Battery-Powered Equipment

ORDER INFORMATION



PIN CONFIGURATIONS (TOP VIEW)

