

16-Min Recording & Playback Voice IC

Model: APR6016



Features:

- 1- Multi-level analog storage High quality audio recording and playback
- 2- Dual mode storage of analog and/or digital data Eliminates the need for separate digital memory
- 3- Advanced, non-volatile flash memory technology No battery backup required
- 4- SPI interface Allows any commercial micro-controller to control the device
- 5- Programmable sampling clock Allows user to choose quality and duration level
- 6- Single 3V power supply
- 7- Low power consumption
- 8- Playback operating current: 15mA typical
- 9- Standby current: 1μA max
- 10- Automatic power-down
- 11- Multiple package options available
- 12- CSP, TSOP, PDIP, Bare Die
- 13- On-board clock prescaler
- 14- Eliminates the need for external clock dividers
- 15- Automatic squelch circuit Reduces background noise during quiet passages

Absolute maximum ratings:

Item	Symbol	Condition	Min	Max	Unit
Power supply voltage	V_{CC}	$T_A=25^{\circ}\text{C}$	-0.3	7	V
Input voltage	V_{IN}	$T_A=25^{\circ}\text{C}$ Device $V_{CC}=3\text{V}$	-0.3	5.5	V
Storage temperature	T_{STG}	-	-65	150	$^{\circ}\text{C}$
Temperature under bias	T_{BS}	-	-65	125	$^{\circ}\text{C}$
Lead temperature	T_{LD}	<10s		300	$^{\circ}\text{C}$

PIN OUT diagram:

