

# ACT 2K DATASHEET



AERONS (INDIA)



## System Specifications

### Frequency Range

640-690MHz

### Modulation

PLL

### Channels

Automatic Infrared 2x100CH

### Frequency Stability

$\pm 0.005\%$

### Dynamic Range

$> 110\text{dB}$

### Peak Deviation

$\pm 45\text{KHz}$

### Frequency Response

60Hz-18KHz ( $\pm 3\text{dB}$ )

### S/N Ratio

$> 105\text{dB}$

### T.H.D.

$< 0.5\%$

## Receiver Specifications

### Receiver Mode

Double Conversion  
Superheterodyne

### Intermediate Frequency

First: 110MHz, Second:  
10.7MHz

### Sensitivity

12dB (80dBS/N)

### Spur Suppression

$> 80\text{dB}$

### Audio Output

unbalanced: +4dB (1.25V)  
/5K $\Omega$

balanced: +10 dB (2.5V)

600 $\Omega$

### Power Supply

DC11-16V (rated 12V, 1000Ma)

## Transmitter Specification

### Output Power

10mW

### Spur Suppression

-60dB

### Battery

1.5V x 2 (AA)