

### ABSOLUTE MAXIMUM RATINGS

|                             |                |              |
|-----------------------------|----------------|--------------|
| Power Dissipation           | Pd             | 70mW         |
| Continuous Forward Current  | I <sub>F</sub> | 30mA         |
| Reverse Voltage             | V <sub>R</sub> | 5V           |
| Operating Temperature Range | Topr           | -20 to +70°C |
| Storage Temperature Range   | Tstg           | -25 to +75°C |

### ELECTRO-OPTICAL CHARACTERISTICS (CHIP) (Ta=25°C)

| PARAMETER                | SYMBOL         | MIN | TYP  | MAX | UNIT | CONDITIONS |
|--------------------------|----------------|-----|------|-----|------|------------|
| Forward Voltage          | V <sub>F</sub> |     | 3.3  | 3.6 | V    | IF=20mA    |
| Reverse Current          | I <sub>R</sub> |     |      | 100 | μA   | VR=5V      |
| Chromaticity Coordinates | x              |     | 0.27 |     |      | IF=20mA    |
|                          | y              |     | 0.31 |     |      | IF=20mA    |

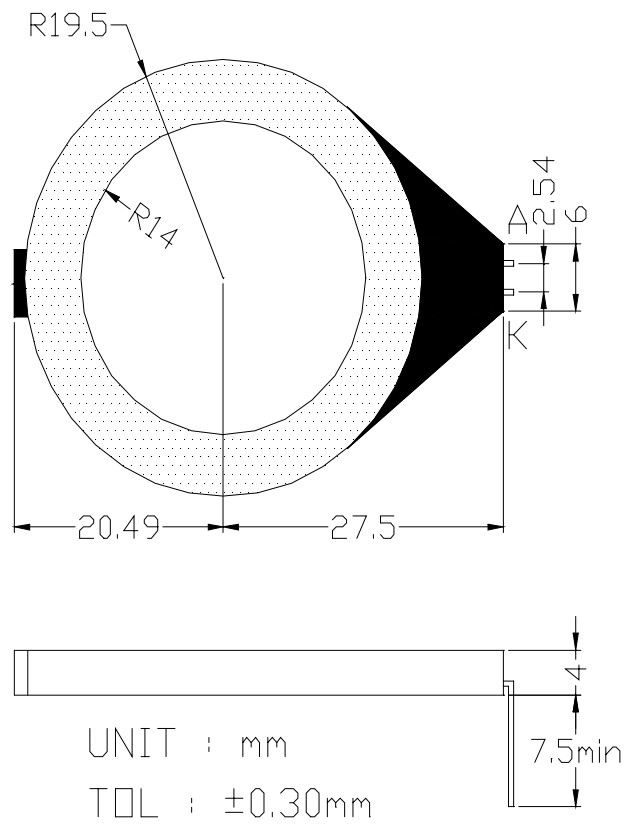
### ELECTRO-OPTICAL CHARACTERISTICS (ME4839W)(Ta=25°C)

| PARAMETER                | SYMBOL         | MIN | TYP  | MAX | UNIT              | CONDITIONS     |
|--------------------------|----------------|-----|------|-----|-------------------|----------------|
| Forward Current/Chip     | I <sub>F</sub> |     | 20   |     | mA                | VS=5V DC,R=85Ω |
| Reverse Current          | I <sub>R</sub> |     |      | 100 | μA                | VR=5V          |
| Chromaticity Coordinates | x              |     | 0.27 |     |                   | VS=5V DC,R=85Ω |
|                          | y              |     | 0.31 |     |                   | VS=5V DC,R=85Ω |
| Brightness               | B              | 20  | 30   |     | cd/m <sup>2</sup> | VS=5V DC,R=85Ω |



# ME4839W

## Mechanical Outline:



## Recommended Circuit: ( $R=85\Omega$ )

