

# 18.0 - 40.0 GHz DLVA

## KEY SPECIFICATIONS:

- |                                  |                     |                           |                   |
|----------------------------------|---------------------|---------------------------|-------------------|
| ▪ Frequency Range:               | 18 GHz – 40 GHz     | ▪ Video Rise Time:        | 11 ns (8 ns typ)  |
| ▪ Tangential Signal Sensitivity: | -65 dBm @ 250 C     | ▪ Recovery Time:          | 60 ns (40 ns typ) |
| ▪ Input Power Handling:          | (CW) 18 dBm max     | ▪ Delay Time:             | 15 ns (5 ns typ)  |
| ▪ Video Log Range:               | 63 dBm to +2 dBm    | ▪ Video Output Impedance: | 50 Ω              |
| ▪ Video Log Linearity:           | 1.5 dB @ 25°C       | ▪ VSWR (50 Ω) Input:      | 2.5:1             |
| ▪ Video Log Slope:               | 25 mV/dB nom        | ▪ VSWR (50 Ω) Output:     | 2.5:1             |
| ▪ Video Log Slope Tolerance:     | ± 2 mV/dB           | ▪ RF Out Psat:            | 8 dBm             |
| ▪ Video Frequency Flatness:      | ± 2.5 dB max @ 25°C | ▪ Voltage:                | +12 V / -12 V     |
| ▪ Pulse Width Range:             | 25 ns to CW         | ▪ Current:                | 550mA / 150 mA    |

## OUTLINE DRAWING:

