



# 2.0 - 6.0 GHz.

# Model: TVL30-506G

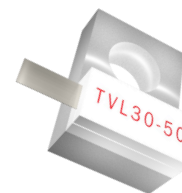
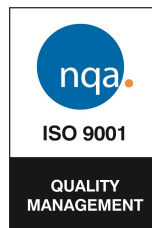
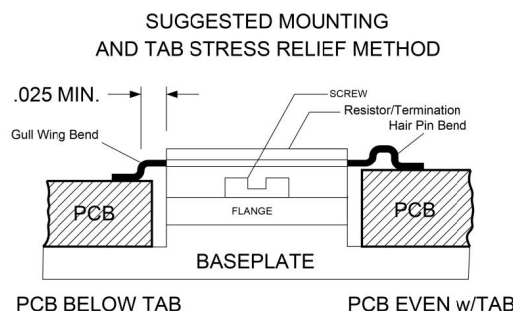
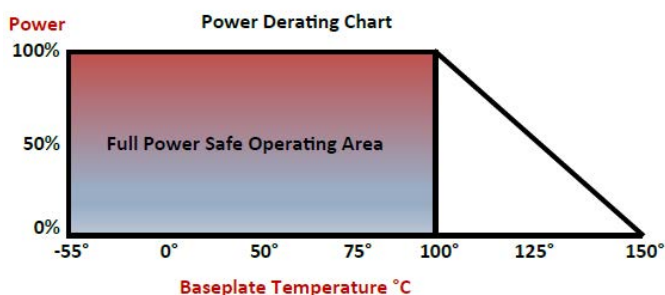
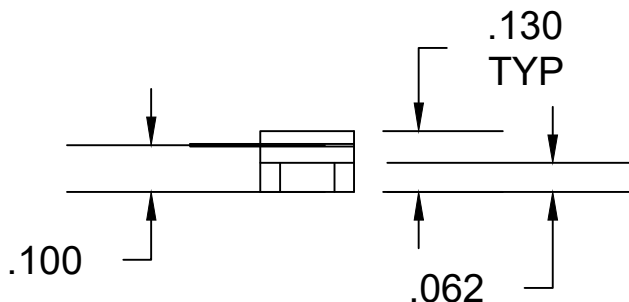
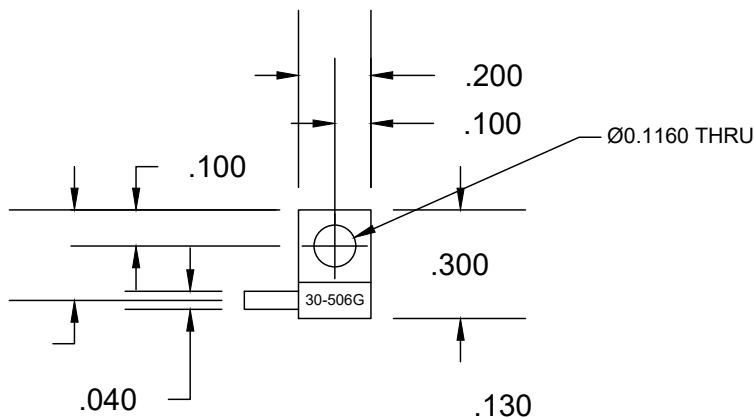


PHOTO FOR REFERENCE ONLY

The TVL30-506G is a 50 ohm, Beryllium Oxide bolt down termination. It has an input average power of 30 watts, while maintaining a constant mounting surface temperature of 100 °C. It offers a frequency range from 2.0 - 6.0 GHz. with an excellent VSWR of 1.5:1 maximum at 6.0 GHz.

The package is an industry standard which is a direct drop-in replacement for existing legacy products. This allows for easy changeover for new designs and replacing older outdated marginal devices that may have degraded or drifted over time. Applications include Medical, Broadcast, Industrial, Commercial Wireless, Military and Space. 50 Ω is the standard value. We can offer any resistance value from 0-1000 Ω. Please contact the factory for any special requirements.



## ELECTRICAL SPECIFICATION

Frequency Range: 2.0 - 6.0 GHz.  
 Impedance: 50 Ω  
 DC Resistance: 50 Ω ±5%  
 Average Power: 30 W (See Power vs Temp. Chart)  
 VSWR: 1.15:1 Max.  
 Operating Temp.: -55° C to +150° C

## MECHANICAL SPECIFICATION

Substrate: Beryllium Oxide, 99%  
 Resistor: Thick Film  
 Flange Material: Copper, Nickel plate per QQ-N-290  
 Cover Material: 96% Alumina OR Epoxy Coated  
 Storage Temp: -55° C To +175° C