



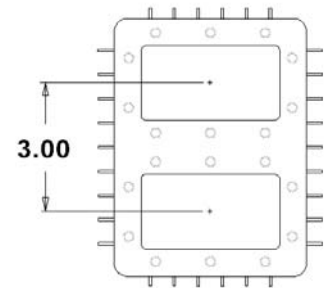
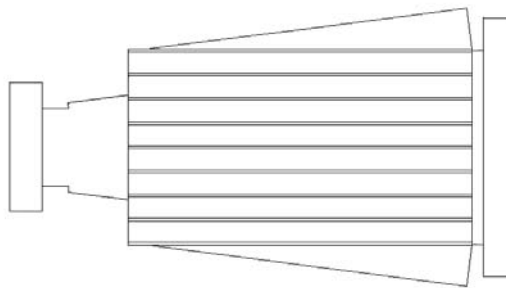
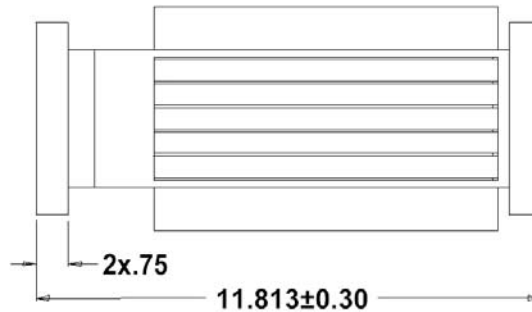
# SUPER HIGH POWER IN PHASE DIVIDER (S100E-215)

**DATA SHEET  
No. T149**

- SUPER HIGH POWER
- LOW LOSS
- COOL OPERATING TEMPERATURE
- HIGH EFFICIENCY FINS
- RUGGED CONSTRUCTION

## DESCRIPTION

MEC's S70L-345 is a WR284 Super High Power in Phase Power Divider. It operates at S-band and handles 5 MW peak, 40 KW average. High conductivity aluminum alloy material is used which helps lower the insertion loss (typically 0.03 dB). The low loss, high precision machining, and high efficiency cooling fins all aid in lowering the operating temperatures. Temperature rise is less than 70 degrees F above ambient at 35 KW average input power. All above factors contribute towards problem free operation at the extremely high power levels. Its rugged construction makes it suitable for extreme shipboard environments.



Contact MEC with your specific requirements. Our engineering staff will be glad to discuss your high power needs.

## SPECIFICATIONS:

<b>Model Number</b>	S100E-215
<b>Frequency</b>	2.9-3.1 GHz
<b>VSWR</b>	1.05:1 Max
<b>Insertion Loss</b>	0.05 dB Max, .03 Typ
<b>Peak Power</b>	5 MW
<b>Average Power</b>	40 KW
<b>Case Temperature</b>	70° Max above Ambient @35 KW average power
<b>Pressure</b>	37.5 PSIG Max
<b>Input/Output Port</b>	WR284

