



# BUC

## KA-BAND 7040ST

### 4W NON-INVERTED

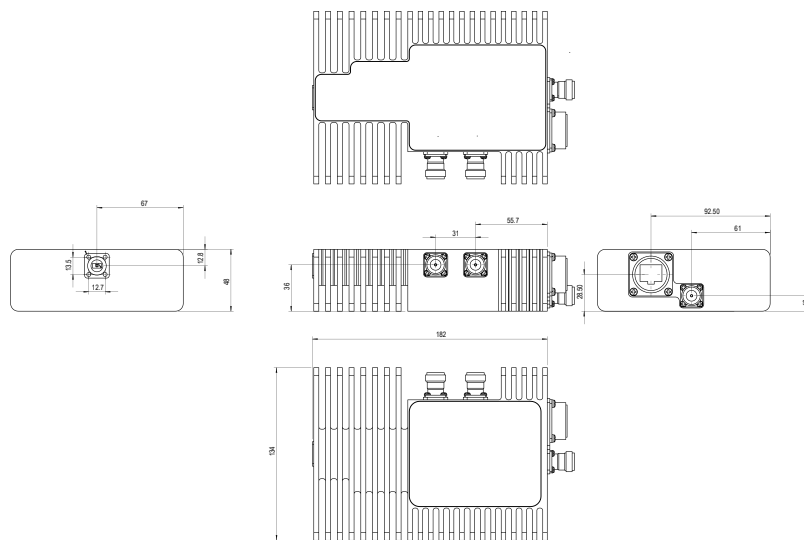


### TYPICAL SPECIFICATIONS

<b>Output frequency</b>	30.0 GHz to 31.0 GHz (29.5 GHz to 30.0 GHz)
<b>Input frequency</b>	950 to 1950 MHz 1000 to 2000 MHz (optional)
<b>Output to P1dB</b>	> 36 dBm
<b>L.O. frequency options</b>	29 GHz (29.05, 28.55 GHz)
<b>Input VSWR</b>	1.5 : 1
<b>Output VSWR</b>	2.0 : 1
<b>Phase noise (SSB)</b>	-65 dBc/Hz at 100 Hz -75 dBc/Hz at 1 kHz -85 dBc/Hz at 10 kHz -95 dBc/Hz at 100 kHz -105 dBc/Hz at 1 MHz
<b>External reference signal frequency</b>	10 MHz
<b>Power requirements</b>	+17 to +30 V supplied through center conductor of IF cable
<b>Power consumption</b>	55 W
<b>Output Waveguide</b>	WR28 - grooved
<b>Dimensions</b>	220 (L) x 130 (W) x 48 (H) mm (8.7" x 5.1" x 1.9")
<b>Weight</b>	1.5 kg

<b>External reference level</b>	-5 to +5 dBm
<b>10 MHz external reference phase noise</b>	-140 dBc/Hz at 1 kHz
<b>Gain</b>	55 dB
<b>Gain stability over temperature</b>	±2.0 dB at any constant frequency
<b>Gain stability in-band at any constant temperature</b>	±0.3 dB in any 36 MHz band ±1.5 dB over full band
<b>Temperature Range</b>	-30°C to +60°C
<b>Monitor &amp; Control</b>	Output Power Detector Gain Control +0, -15 dB, 1 dB Steps Summary Alarm

### MECHANICAL DIAGRAM



### HOW TO ORDER

## 7040STNE

