

### 4 – 6 GHz 10W Amplifier

#### FEATURES

- $P_{out}$  : 40 dBm(min.)
- Bias Condition : 8A @ 12 V
- Small Signal Gain : 40 dB

#### ELECTRICAL SPECIFICATIONS (Ta = 25 ° C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
<b>FREQ</b>	<b>Frequency Range</b>	<b>4</b>		<b>6</b>	<b>GHz</b>
<b>SSG</b>	<b>Small Signal Gain</b>	<b>40</b>			<b>dB</b>
<b>GOF</b>	<b>Small Signal Gain Flatness</b>		$\pm 1$	$\pm 2$	<b>dB</b>
<b>NF</b>	<b>Noise Figure</b>		<b>5</b>		<b>dB</b>
<b>P1dB</b>	<b>1dB Compression Output Power</b>	<b>39</b>			<b>dBm</b>
<b>Pout</b>	<b>CW Saturation Power</b>	<b>40</b>			<b>dBm</b>
<b>Pin</b>	<b>Rated Input Power for Nominal Pout</b>		<b>0</b>		<b>dBm</b>
<b>P.M</b>	<b>Phase Matching</b>			$\pm 15$	<b>Degree</b>
<b>VSWR, IN</b>	<b>Input VSWR</b>		<b>1.7:1</b>	<b>2:1</b>	<b>-----</b>
<b>VSWR, OUT</b>	<b>Output VSWR</b>		<b>1.7:1</b>	<b>2:1</b>	<b>-----</b>
<b>VDC</b>	<b>DC Supply Voltage (with built-in regulator)</b>		<b>12</b>		<b>Volt</b>
<b>IDC</b>	<b>Current Supply</b>		<b>8</b>		<b>A</b>
<b>ST</b>	<b>Switching Time</b>		<b>10</b>		<b>usec</b>
<b>OTR</b>	<b>Operating Temperature Range</b>	<b>-30</b>		<b>60</b>	<b>° C</b>

**Outline : HA2**

**Connectors : SMA (F)**