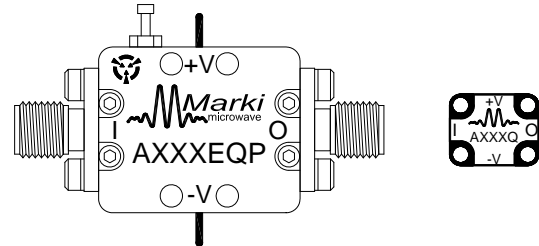


SQUARE-WAVE
LO BUFFER-AMPLIFIER

A-20



Features

- Frequency Range 5.0 MHz to 20.0 GHz
- Ultra-Broadband
- Surface Mount Package
- +10 dBm Typical Input Power
- +24 dBm Typical Saturated Output Power
- Buffer- Amplifiers for Mixer LO

Electrical Specifications - Specifications guaranteed from -30 to +70°C, measured in a 50-Ohm system.

Parameter	Frequency (GHz)	Min	Typ	Max
Input (dBm)	.005-20.0		+10 to +15	
Saturated Output Power (dBm)				
±6 Volts Bias	.005-20.0	+20	+24	
±5 Volts Bias	.005-20.0	+18	+22	
Bias Requirements (mA) ¹				
+5.0 Volts DC			135	150
-5.0 Volts DC			5	10
+6.0 Volts DC			145	165
-6.0 Volts DC			5	10

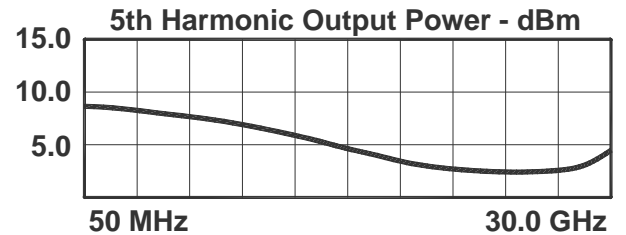
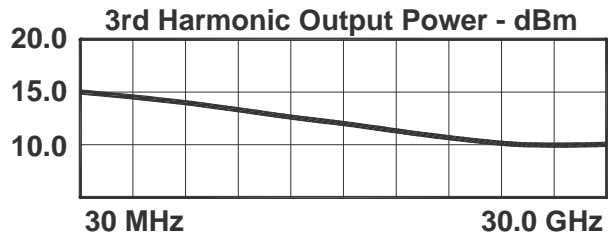
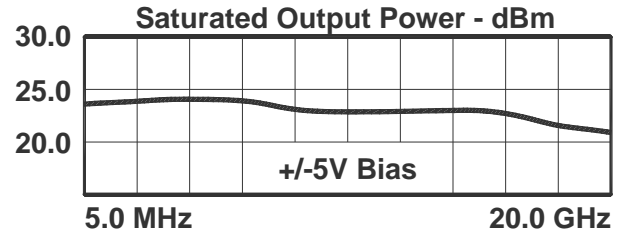
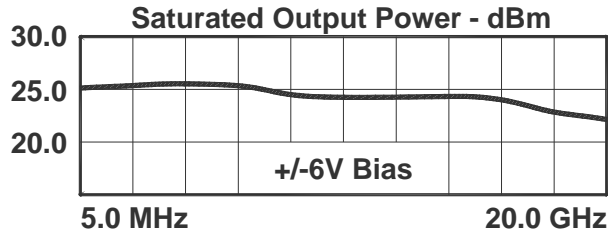
¹It is recommended that the negative bias be applied before or concurrent with the positive bias.

Model Number	Description	Package Style(s) ¹
A-20EQ A-20EQP	5.0 MHz to 20.0 GHz Amplifier	EQ , EQP

¹Connectorized test fixtures available for most carrier and surface mount packages. Contact factory.

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Typical Performance



DATA SHEET NOTES:

1. Maximum input power without damage is +17 dBm at +70°C.
2. Specifications are subject to change without notice. Contact Marki Microwave for the most recent specifications and data sheets.

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