

ELECTRICAL SPECIFICATIONS

RF Input frequency	3 GHz \pm 200 MHz (see Options). Available frequency bands from 1 to 35 GHz
Input bandpass filter	40 MHz bandwidth. Tunable from 2.8 to 3.2 GHz. Other bandwidths available across the input frequency band
Tracking range	\pm 200 MHz, wider bands available
Pulse width	0.4 μ s @ 2500 PRF, 0.8 μ s @ 1250 PRF. Other pulse widths and PRFs available
Dynamic range.....	80 dB
RF-to-IF gain.....	75 dB
IF center frequency.....	See options
IF gain adjust.....	45 dB, wider gain adjust range available
IF bandwidth	6 MHz (see Options)
AFC tracking accuracy	\pm 0.1 MHz
AFC dead-time ride through	30 ms (see Options)
IF output power.....	+12 dBm minimum
Noise figure.....	< 5 dB includes loss from input bandpass filter

PRIMARY POWER REQUIREMENTS

Voltage	100/120/220/240 VAC, \pm 10%, rear panel selectable
Frequency	47 to 63 Hz
Power consumption	85 W typical

MECHANICAL SPECIFICATIONS

PHYSICAL

Dimensions	21" x 9.75" x 6"
Weight.....	27 pounds

CONNECTORS

RF input/output	SMA female
IF output.....	SMA female
IF monitor.....	SMA female
AC power	MS3102A18-22P
Remote/control/status.....	MS3102A22-27P
DC power monitor.....	Test point jack

OPTIONS

- P1** RF input frequency range (customer to specify).
- P2** RF input bandpass filter (customer to specify).
- P3** Auto sweep bandwidth at RF, available bandwidths are \pm 200, \pm 400 and \pm 800 MHz.
- P4** IF center frequency selection, 21.4, 30, 35, 60 and 160 MHz (customer to specify).
- P5** IF bandwidth (customer to specify).
- P6** PRF range (customer to specify).
- P7** Pulse width range (customer to specify).