

Flex Max901e Model Options

Listed below are the model options for the Flex Max901e amplifier. For ordering information, please use our real-time Product Configurator Wizard located on the ARRIS website.

Flex Max901e Trunk Amplifiers

| | | |
|------------------------------------|---------------------|---|
| E | Flex Max901e series | a |
| a) 15A current passing capability. | | |

| | | |
|---|---|--|
| D | Equal trunk and bridger tilt (suitable for FNT7, FNTB & FNT9 Extensions & Drop-in Replacements) | |
| G | Optimized tilt for 1 GHz operation (Unequal Trunk & Bridger O/P tilt) | |

| | | |
|---|------|--|
| 5 | 32dB | |
| 8 | 33dB | |

| | | |
|---|-----------|--|
| J | 42/54MHz | |
| N | 65/85MHz | |
| Q | 55/70MHz | |
| R | 85/105MHz | |

| | | |
|----|---------------------------------|--|
| K0 | 427.25 MHz ALC (NTSC) | |
| KB | 439.25 MHz ALC (NTSC & PAL) | |
| KC | 451.25 MHz ALC (NTSC) | |
| KL | 423.25 MHz ALC (PAL) | |
| KN | 471.25 MHz ALC (PAL) | |
| L0 | 499.25 MHz ALC (NTSC) | |
| L4 | 495.25 MHz ALC (PAL) | |
| MB | 645.00 MHz QAM ALC (NTSC) | |
| RM | 711.00 MHz QAM ALC (NTSC) | |
| SD | 609.00 MHz (QAM ALC NTSC & PAL) | |

| | | |
|--|--|---|
| 6 | 18dB active gain | |
| 7 | 18dB active gain with return switches | |
| 8 | 18dB active gain with Rev Attn plug in access. | a |
| a) Includes Factory Installed Jumpers. (Customer required Attn. Pads ordered separately) | | |

| | | |
|---|---|---|
| F | Trunk with two bridger outputs—user-configurable to 4 outputs with -25dB External testpoints | a |
| H | Trunk with two bridger outputs—user-configurable to 4 outputs with -20dB Internal testpoints | a |
| P | Trunk with two bridger outputs—user-configurable to 4 outputs with -20dB External testpoints | a |
| S | Trunk with two bridger outputs—user-configurable to 4 outputs with -25dB Internal testpoints | a |
| a) Plug-in splitters and directional couplers must be ordered separately. | | |

| | | |
|---|--|--|
| 1 | None | |
| 6 | 2.3A, 90V, 50/60Hz, H.E. transformerless | |
| 7 | 2.3A, 90V, 50/60Hz, H.E. transformerless with Surge Terminator | |

| | | |
|---|---|--|
| A | None | |
| C | 6-port Flex Max, 1 GHz, Internal testpoints | |
| F | 6-port Flex Max, 1 GHz, External testpoints | |
| K | 6-port Flex Max, 1 GHz, four 90° access ports, Internal testpoints | |
| L | 6-port Flex Max, 1 GHz, four 90° access ports, External testpoints | |
| R | 6-port Flex Max, 1 GHz, bypass Hsg, Internal testpoints | |
| P | 6-port Flex Max, 1 GHz, bypass Hsg, External testpoints | |

| | | |
|---|-------------------|---|
| 1 | Standard (or N/A) | a |
| a) Select N/A when ordering RF module only. | | |

| | | |
|--|-------------|------|
| N | EMS capable | a, b |
| a) Transponder sold separately: AM protocol (P/N 810-0354-01A) HMS protocol (P/N 810-0354-01H) | | |
| b) Must order mounting bracket kit (P/N 1501024) | | |

Flex Max901e Bridger Amplifiers

| | | |
|------------------------------------|---------------------|---|
| E | Flex Max901e series | a |
| a) 15A current passing capability. | | |

| | | |
|---|---------|--|
| G | 1002MHz | |
|---|---------|--|

| | | |
|-------------------------------|-------|---|
| P | 43 dB | a |
| a) 23dB factory equalization. | | |

| | | |
|---|-----------|--|
| J | 42/54MHz | |
| N | 65/85MHz | |
| Q | 55/70MHz | |
| R | 85/105MHz | |

| | | |
|----|-----------------------------|--|
| K0 | 427.25 MHz ALC (NTSC) | |
| KB | 439.25 MHz ALC (NTSC & PAL) | |
| KC | 451.25 MHz ALC (NTSC) | |
| KL | 423.25 MHz ALC (PAL) | |
| KN | 471.25 MHz ALC (PAL) | |
| L0 | 499.25 MHz ALC (NTSC) | |
| L4 | 495.25 MHz ALC (PAL) | |
| MB | 645.00 MHz QAM ALC (NTSC) | |

| | | |
|----|--------------------------------|--|
| RM | 711.00MHz QAM ALC (NTSC) | |
| SD | 609.00MHz (QAM ALC NTSC & PAL) | |

| | | |
|--|---|---|
| 6 | 18dB active gain | |
| 7 | 18dB active gain with return switches | a |
| 8 | 18dB active gain with Rev. Attn. plug-in access | b |
| <i>a) Operation of return switches requires a transponder.</i> <i>b) Includes factory installed jumpers (Customer required Att. Pads ordered separately).</i> | | |

| | | |
|--|--|---|
| E | Two bridger outputs—user-configurable to 4 outputs with -25dB External testpoints | a |
| G | Two bridger outputs—user-configurable to 4 outputs with -20dB Internal testpoints | a |
| N | Two bridger outputs—user-configurable to 4 outputs with -20dB External testpoints | a |
| R | Two bridger outputs—user-configurable to 4 outputs with -25dB Internal testpoints | a |
| <i>a) Plug-in splitters and directional couplers must be ordered separately.</i> | | |

| | | |
|---|--|---|
| 1 | None | |
| 6 | 2.3A, 90V, 50/60Hz, H.E. transformerless | a |
| 7 | 2.3A, 90V, 50/60Hz, H.E. transformerless surge protected | |
| <i>a) 40-90 V operating range; includes detachable power cable.</i> | | |

| | | |
|---|---|--|
| A | None | |
| C | 6-Port Flex Max, 1GHz, w/ Internal testpoints | |
| F | 6-Port Flex Max, 1GHz, w/ External testpoints | |
| K | 6-Port Flex Max, 1GHz, four 90° access ports, w/ Internal testpoints | |
| L | 6-Port Flex Max, 1GHz, four 90° access ports, w/ External testpoints | |
| P | 6-Port Flex Max, 1GHz, Bypass Hsg, w/ External testpoints | |
| R | 6-Port Flex Max, 1GHz, Bypass Hsg, w/ Internal testpoints | |

| | | |
|--|-------------------|---|
| 1 | Standard (or N/A) | a |
| <i>a) Select N/A when ordering RF module only.</i> | | |

| | | |
|---|-------------|---|
| N | EMS capable | a |
| <i>a) Transponder sold separately: AM protocol (P/N 810-0354-01A) HMS protocol (P/N 810-0354-01H)</i> | | |

The Flex Max901e options are for reference only and should not be used for ordering. Contact your ARRIS sales professional for ordering information. You may also use our Product Wizard Configurator located on the ARRIS website.

15. For ALC pilot frequencies of £ 499.25 MHz, the ALC pilot filter is a single channel device. This means that the adjacent channels will have no effect on the RF power level that the RF detector is measuring. For ALC pilot frequencies > 499.25 MHz, the ALC pilot filter is not a single channel device. This means that the adjacent QAM channels will have an effect on the RF power level that the RF detector is measuring. C-COR recommends that the adjacent QAM channels be present on the system before the ALC system of the amplifier station is balanced. This will avoid station re-balance in the future when those QAM channels would be added to the system.
16. Specifications are typical for Flex Max901e Bridgers. Contact your C-COR sales professional for Flex Max901e Trunk specifications.
17. Specifications for 870MHz bridger configurations are available on request (*Specification document number 1502214*).

Specifications subject to change without notice.

Flex Max901e Bridger Amplifier Model Options

| | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|---|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| | | | 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| F | M | B | E | G | P | X | - | X | X | X | X | X | X | X | N |

| 1 Series | |
|------------------------------------|---|
| E Flex Max901e series | a |
| a) 15A current passing capability. | |

| 2 Bandwidth | |
|-------------|--|
| G 1002MHz | |

| 3 Spacing | |
|-------------------------------|---|
| P 43dB | a |
| a) 23dB factory equalization. | |

| 4 Frequency Split | |
|-------------------|--|
| J 42/54MHz | |
| N 65/85MHz | |
| Q 55/70MHz | |

| 5-6 Level Control | |
|-----------------------|--|
| K0 427.25 MHz NTSC TV | |
| KB 439.25 MHz NTSC TV | |
| KC 451.25 MHz NTSC TV | |
| KL 423.25 MHz NTSC TV | |
| KN 471.25 MHz NTSC TV | |
| L0 499.25 MHz NTSC TV | |
| L4 495.25 MHz NTSC TV | |
| MB 645.00 MHz QAM | |
| RM 711.00 MHz QAM | |
| SD 609.00 MHz QAM | |

| 7 Return | |
|--|---|
| 6 18dB active gain | a |
| 7 18dB active gain with return switches | b |
| a) Select "7" if future element management transponder is desired. | |
| b) Operation of return switches requires a transponder. | |

| 8 Output Configuration | |
|---|------|
| E Two bridger outputs—user config. to 4 outputs with -25dB External testpoints | a, e |
| G Two bridger outputs—user config. to 4 outputs with -20dB Internal testpoints | b, e |
| N Two bridger outputs—user config. to 4 outputs with -20dB External testpoints | c, e |
| R Two bridger outputs—user config. to 4 outputs with -25dB Internal testpoints | d, e |
| a) Select "A", "F", or "L" in #10 block, Housing . | |
| b) Select "A", "C", or "K" in #10 block, Housing . | |
| c) Select "A", "F", or "L" in #10 block, Housing . | |
| d) Select "A", "C", or "K" in #10 block, Housing . | |
| e) Plug-in splitters and directional couplers must be ordered separately. | |

| 9 Powering | |
|---|---|
| 1 None | a |
| 6 2.3A, 90V, 50/60Hz, H.E. transformerless | b |
| a) Select "A" in #10 block, Housing . Required when ordering RF module only. | |
| b) 40-90 V operating range; includes detachable power cable. | |

| 10 Housing | |
|--|---|
| A None | a |
| C 6-port Flex Max, 1 GHz, Internal testpoints | b |
| F 6-port Flex Max, 1 GHz, External testpoints | c |
| K 6-port Flex Max, 1 GHz, four 90° access ports, Internal testpoints | b |
| L 6-port Flex Max, 1 GHz, four 90° access ports, External testpoints | c |
| a) Select "1" in #11 block, Housing Finish . Required when ordering RF module only. | |
| b) Select "G" or "R" in #8 block, Output Configuration . | |
| c) Select "E" or "N" in #8 block, Output Configuration . Forward testpoints only. | |

| 11 Housing Finish | |
|---|---|
| 1 Standard (or N/A) | a |
| 4 Corrosion protected | |
| a) Required when ordering RF module only. | |

| 12 Element Management | |
|--|------|
| N EMS capable | a, b |
| a) Transponder sold separately: AM protocol (P/N 810-0354-01A) HMS protocol (P/N 810-0354-01H) | |
| b) Must order mounting bracket kit (P/N 1501024) | |

An HMS/AM protocol Value Max transponder is available to monitor and control the Flex Max901e Bridger Amplifier. Refer to the C-COR HFC Product Accessories data sheet on our website for detailed ordering information and specifications on the complete set of plug-in accessories used in the Flex Max901e.

Contact your C-COR sales professional for details and to discuss how our exciting new 1GHz products can add value to your network.

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Part Numbers (Model Options)

Flex Max901e Trunk Amplifiers

| | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| | | | | 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| F | M | T | E | x | x | x | x | - | x | x | x | x | x | x | x | N |

| | | |
|-------------------------------|---|------------------------------|
| 1 Series | E Flex Max901e series a) 15A current passing capability. | a |
| 2 Tilt Configuration | D Equal trunk and bridger tilt G Optimized tilt for 1GHz operation a) Must choose "5" in #3 block, Spacing . Suitable for replacement of FNT7, FNT8, and FNT9 series amplifiers b) Must choose "8" in #3 block, Spacing . | a b |
| 3 Spacing | 5 32dB 8 33dB a) 18dB factory equalization. Must choose "D" in #2 block, Bandwidth . b) 13dB factory equalization. Must choose "G" in #2 block, Bandwidth . | a b |
| 4 Frequency Split | J 42/54MHz N 65/85MHz Q 55/70MHz | |
| 5-6 Level Control | K0 427.25MHz NTSC TV KB 439.25MHz NTSC TV KC 451.25MHz NTSC TV KL 423.25MHz NTSC TV KN 471.25MHz NTSC TV L0 499.25MHz NTSC TV L4 495.25MHz NTSC TV MB 645.00MHz QAM RM 711.00MHz QAM SD 609.00MHz QAM | |
| 7 Return | 3 14.5dB active gain 6 18dB active gain 7 18dB active gain with return switches a) Select "D" in #2 block, Bandwidth . b) Select "7" if future element management transponder is planned. c) Operation of return switches requires a transponder. | a b c |
| 8 Output Configuration | F Trunk with two bridger outputs—user-configurable to 4 outputs with -25 dB External testpoints H Trunk with two bridger outputs—user-configurable to 4 outputs with -20 dB Internal testpoints P Trunk with two bridger outputs—user-configurable to 4 outputs with -20 dB External testpoints S Trunk with two bridger outputs—user-configurable to 4 outputs with -25 dB Internal testpoints a) Select "A", "F", or "L" in #10 block, Housing . b) Select "A", "C", or "K" in #10 block, Housing . c) Select "A", "F", or "L" in #10 block, Housing . d) Select "A", "C", or "K" in #10 block, Housing . e) Plug-in splitters and directional couplers must be ordered separately. | a, e b, e c, e d, e |
| 9 Powering | 1 None 6 2.3A, 90V, 50/60Hz, H.E. transformerless a) Select "A" in #10 block, Housing . Required when ordering RF module only. b) 40-90 V operating range; includes detachable cable. | a b |
| 10 Housing | A None C 6-port Flex Max, 1GHz, Internal testpoints F 6-port Flex Max, 1GHz, External testpoints K 6-port Flex Max, 1GHz, four 90° access ports, Internal testpoints L 6-port Flex Max, 1GHz, four 90° access ports, External testpoints a) Select "1" in #11 block, Housing Finish . Required when ordering RF module only. b) Select "H" or "S" in #8 block, Output Configuration . c) Select "F" or "P" in #8 block, Output Configuration . Forward external testpoints only. | a b c b c |
| 11 Housing Finish | 1 Standard (or N/A) 4 Corrosion protected a) Required when ordering RF module only. | a |
| 12 Element Management | N EMS capable a) Transponder sold separately: AM protocol (P/N 810-0354-01A) HMS protocol (P/N 810-0354-01H) b) Must order mounting bracket kit (P/N 1501024) | a, b |