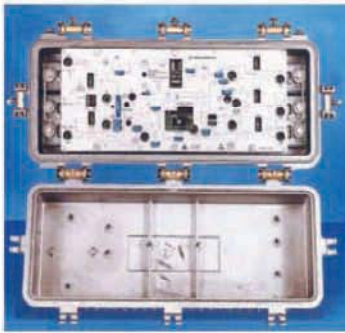


MODEL

BT*/*, MB*/*, BLE*/*



Motorola's STARLINE® series BT*/*, MB*/*, and BLE*/*, lead the industry in features and performance and are designed to meet the needs of today's expanding broadband communication networks. These two-way capable amplifiers offer high gain (E-GaAs), 870 MHz expanded bandwidth, 110 channel capability, high output levels, improved ergonomics, improved distortion performance, seven diplex filter options, 16 dB return loss, and Bode equalization. The Starline Series amps also allow optional advanced features such as ingress control switching and status monitoring.

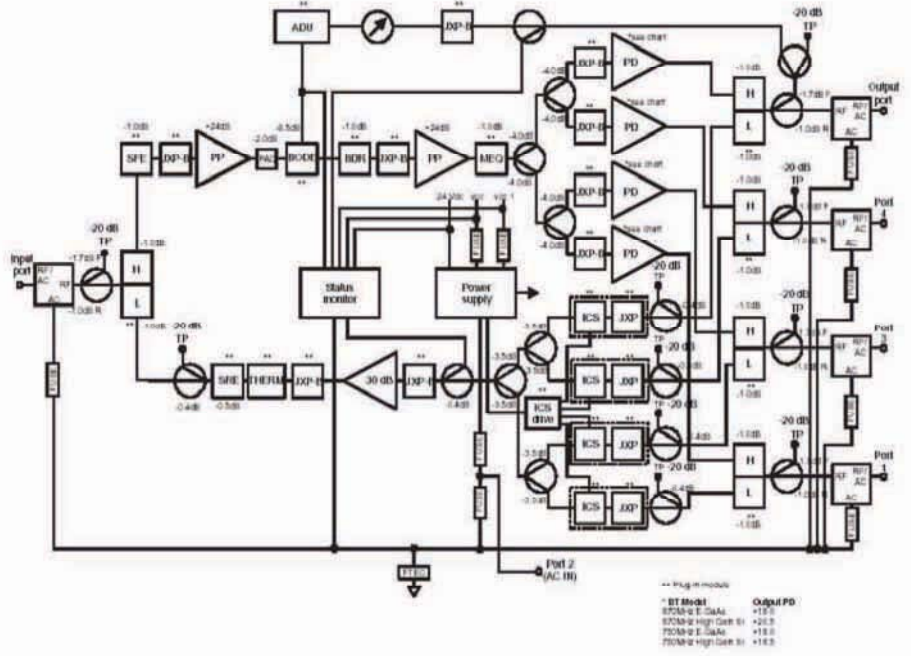
The high operational gains of the MB*/* and BT*/* permit the amplifiers to be strategically placed within the system topology for distributing broadband telecommunications signals. "Tree and Branch" architectures are easily upgraded to Fiber to the Feeder (FTF) designs with the advanced features of the amplifier. BT*/* can be offered from 2 and up to 4 output versions. MB*/* can be offered in single output versions.

Features

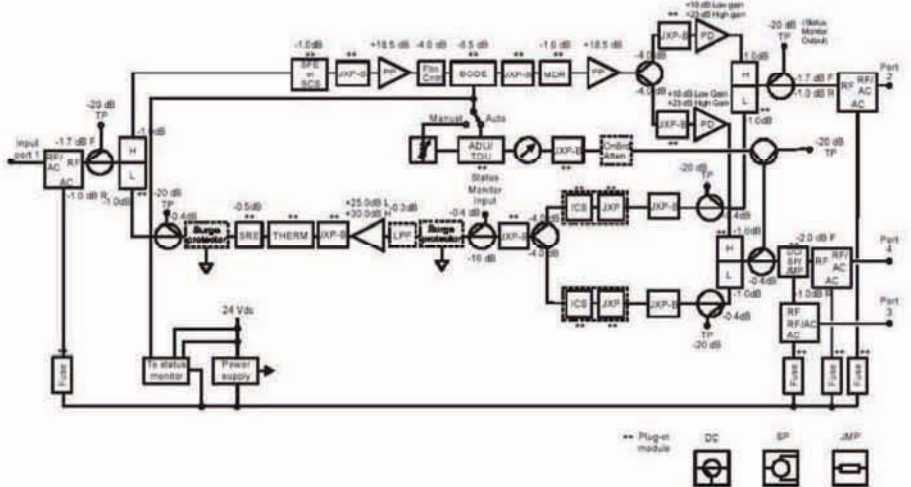
- 870 MHz power doubling technology in Enhanced Gallium Arsenide (E-GaAs)
- High gain (can drop into 750 MHz designs)
- High output level
- Superior distortion performance
- Ease-of-use ergonomics
- Five diplex filter options
- 16 dB return loss (forward path)
- 60/90 V powering
- Power factor corrected power supply (Optional on BLE)
- Meets Telcordia GR-1098-Core voltage surge requirements using surge waveforms as described in IEEE C62.41
- FCC and CENELEC approved
- Bode equalization (thermal or auto controlled)
- 15 ampere AC bypass capability
- Optional return path ingress control and status monitor
- All directional coupler -20 dB test points

Old Accessory	Ergonomic Accessory	New Description
EQ-*.*	SFE-*.*	STARLINE® Forward Equalizer
BCS-*	SCS-*	STARLINE® Cable Simulator
SEE-*.*	SRE-*.*	STARLINE® Return Equalizer
JXP-*A	JXP-*B	Two-piece "Breakaway" JXP Attenuator
MB-DC/*	DC/*	Directional Coupler
MB-SP	SP	Splitter

BT*/* Block Diagram
 870 MHz Operational Gain
 40 dB (includes Slope and EQ losses)



MB*/* Block Diagram (Dual)
 870 MHz Operational Gain
 38 dB (includes Slope and EQ losses)



BLE*/* Block Diagram
 870 MHz Operational Gain
 28 or 32 dB (includes Slope and EQ losses)

