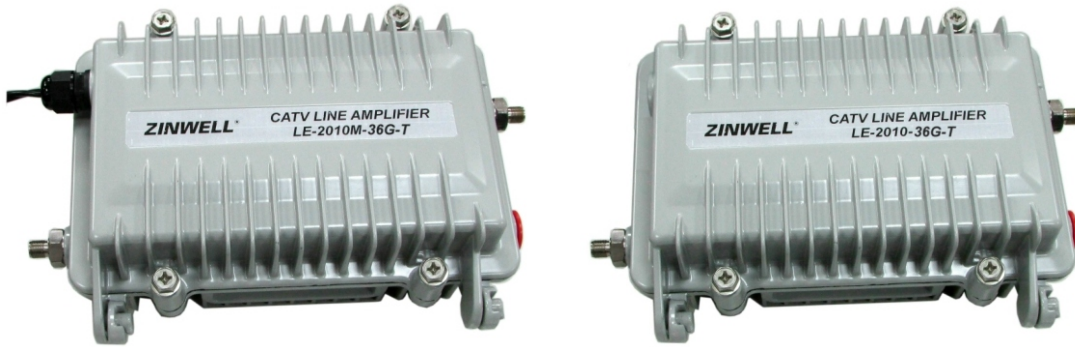




1006 MHz, 36 dB Gain Line Extender Amplifier



LE-2010M-36G-T : Main powering

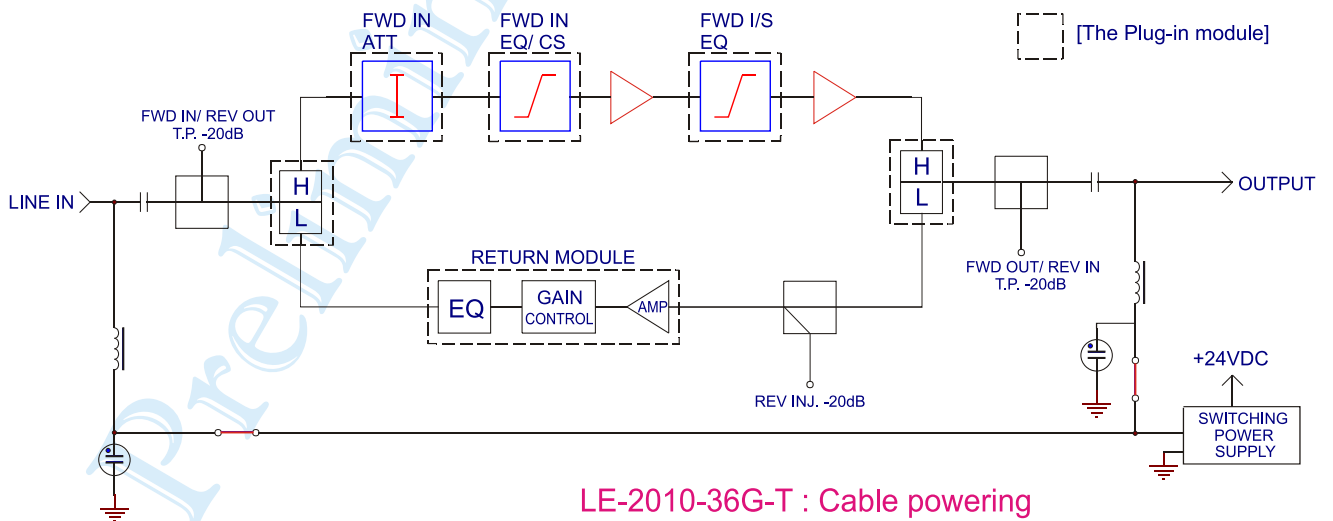
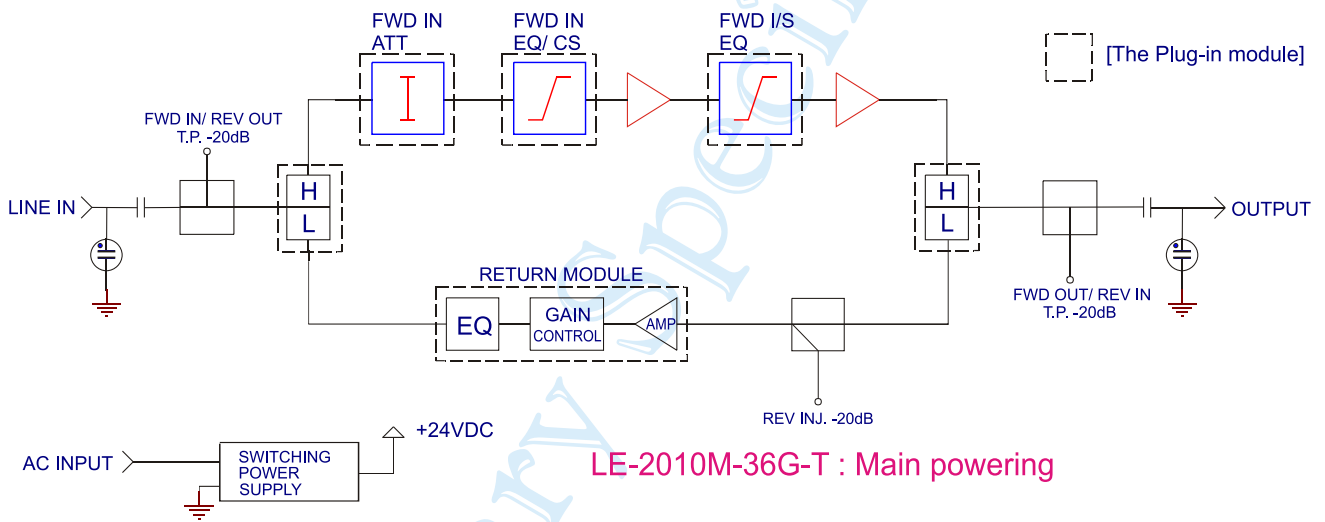
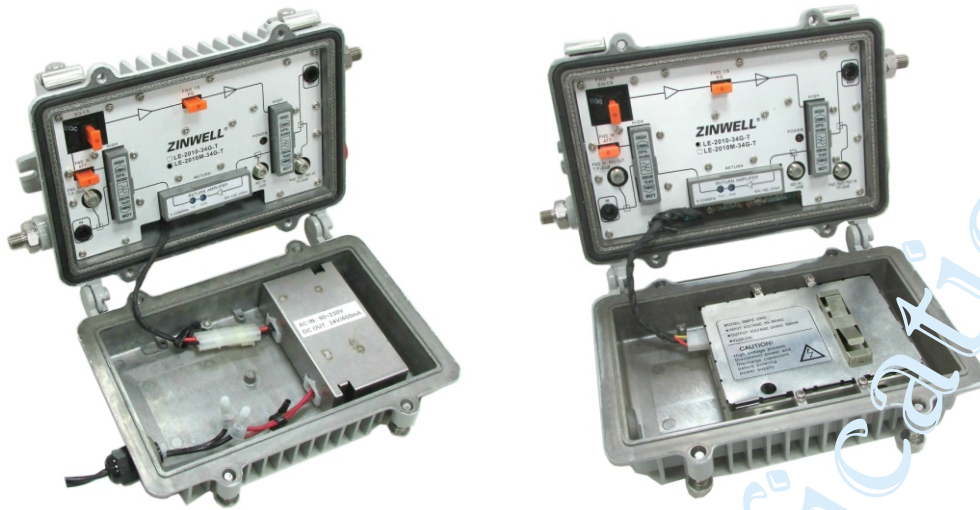
LE-2010-36G-T : Cable powering

Features :

- 1006 MHz wideband amplifier with one output
- Mounting scheme: strand or pedestal installation
- Uses hybrid module for forward push-pull amplification
- Plug-in designed modules, ease of installation and maintenance
- Aluminum alloy die-casting housing with RF gasket for screening, rubber gasket for waterproof, and powder coating for environmental protection
- High efficiency, wide operating range 90 ~ 264 V AC switching power supply for LE-2010M-36G-T, 38 ~ 90 V AC for LE-2010-36G-T



1006 MHz, 36 dB Gain Line Extender Amplifier





1006 MHz, 36 dB Gain Line Extender Amplifier

Specifications :

Forward Path	
Description	LE-2010(M)-36G-T
Frequency Range	1006 MHz
Mini Full Gain	36 dB (w/ Jumper)
Operating Gain	34 dB min.
Gain Control	Fixed
Slope Control	Fixed
Output Level (Reference) (54/ 550/ 860/ 1006 MHz)*	77 analog chs+312 MHz digital 98/ 105/ 107/ 108 dBuV
Composite Second Order (CSO)	-66 dBc
Composite Triple Beat (CTB)	-64 dBc
Cross Modulation (XMOD)	-62 dBc
Noise Figure	7 dB min.
Return Loss	16 dB typ. 14 dB min.
HUM Modulation	-70 dB
Current Consumption of DC	440 mA (w/ RA: 80 mA)

* for digital channels at 550 ~ 862 MHz , carriers are -6 dB lower relative to analog channels.

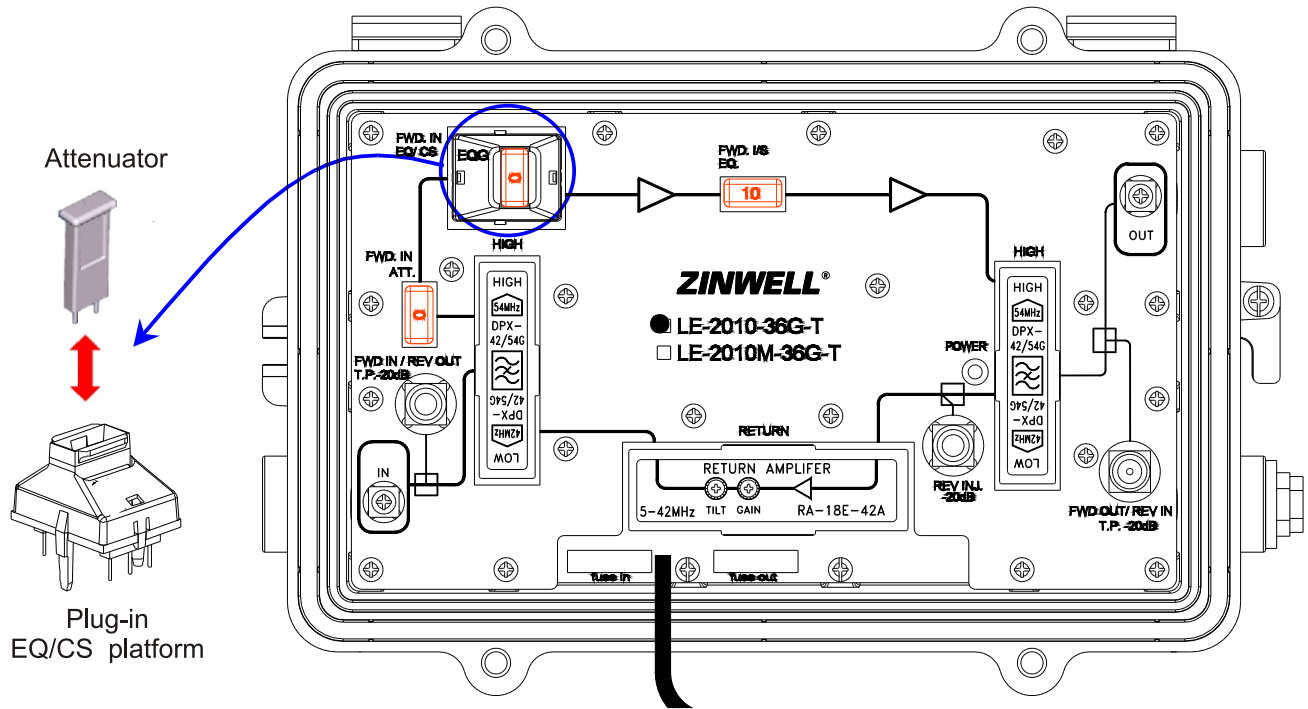
Return Path							
Module Name	with RB-J0	with RA-18E-xA series					
		30A	42A	55A	65A	85A	204A
FREQ. Range (MHz)	-	5 ~ 30	5 ~ 42	5 ~ 55	5 ~ 65	5 ~ 85	5 ~ 204
Return/Forward Splitting Freq. (MHz)	-	30 / 47	42 / 54	55 / 70	65 / 84	85 / 105	204 / 258
Output Level (dBuV) / (channels)	-	100 / 4	100 / 5				95 / 25
Composite Second Order (dBc)	-	-68	-64				-52
Composite Triple Beat (dBc)	-	-59	-59				-55
Cross Modulation (dBc)	-	-61	-61				-54
Fixed Slope	0 dB	2 ± 1 dB					
Full Gain (Loss)	(4 dB max.)	17 ± 2 dB					
Gain Control	-	Att. 0 ~ -10 dB (adj)					
Slope Control	-	1 ~ 8 dB (adj)					
Noise Figure	-	7 dB					
Return Loss (max. Tilt)	12 dB min.	14 dB typ. 10 dB min.					

General Specifications	
I/O Test Ports	-20 ± 1.5 dB, to input & output level
Power Consumption & Requirement	13 W @38 ~ 90 VAC, 47 ~ 63Hz square or sinusoidal wave [LE-2010-36G-T] 13 W @ 110 ~ 230 V AC, 47 ~ 63 Hz sinusoidal wave [LE-2010M-36G-T]
Switch Power Supply Output Rating	600 mA @ 24 VDC
Impedance	75 Ω
Surge Protection	7KV, 1.2 x 50 us
Power Passing	10 A
Operating Temperature	-40 ~ +60 °C
Connector	5/8"-24NEF Female
Dimensions	230(L) x 165(W) x 82(H) mm
Net Weight	1930 g [LE-2010-36G-T] ; 1760 g [LE-2010M-36G-T]

Specifications are subject to change without notice.



1006 MHz, 36 dB Gain Line Extender Amplifier
Optional Plug Module Selection



Module	Module Name	Description
Diplexer	DPX-30/47G	5 ~ 30 MHz & 47 ~ 1006 MHz Split
	DPX-42/54G	5 ~ 42 MHz & 54 ~ 1006 MHz Split
	DPX-55/70G	5 ~ 55 MHz & 70 ~ 1006 MHz Split
	DPX-65/84G	5 ~ 65 MHz & 84 ~ 1006 MHz Split
	DPX-85/105G	5 ~ 85 MHz & 105 ~ 1006 MHz Split
	DPX-204/258G2	5 ~ 204 MHz & 258 ~ 1006 MHz Split
FWD ATT	JA-0L ~ JA-18L	0 ~ 18 dB Attenuator
FWD EQ	EQG + JA-0L ~ JA-18L	EQ platform + 0~18 dB Attenuator to control slope value
FWD CS	CSG + JA-0L ~ JA-9L	CS platform + 0~9 dB Attenuator to control slope value
FWD I/S EQ	JA-6L ~ JA-12L	Built in EQ platform + 6~12 dB Attenuator to control slope value
Reverse	RB-J0	0 ~ 1000 MHz, 0dB Jumper
	RA-18E-30A	5 ~ 30 MHz 18 dB Gain
	RA-18E-42A	5 ~ 42 MHz 18 dB Gain
	RA-18E-55A	5 ~ 55 MHz 18 dB Gain
	RA-18E-65A	5 ~ 65 MHz 18 dB Gain
	RA-18E-85A	5 ~ 85 MHz 18 dB Gain
	RA-18E-204A	5 ~ 204 MHz 18 dB Gain