TELESTE AC NODE SPECIFIC MODULES

AC 625X RETURN PATH MODULES

AC625x modules are used on return path channel in AC/ACE series amplifiers. These modules contain slope adjustment, low pass filtering and response correction.

- AC6250/-51/-52 are used in AC1500/2500 amplifiers
- AC6254/-55/-56/-57 are used in AC3010/3210/ACE3 amplifiers

AC625X RETURN PATH MODULES		
AC6250	5…65 MHz	AC1500 & AC2500
AC6251	5…85 MHz	AC1500 & AC2500
AC6252	5…204 MHz	AC1500 & AC2500
AC6254	5…65 MHz	AC3x10 & ACE
AC6255	5…85 MHz	AC3x10 & ACE
AC6256 (3 dB base slope)	5…204 MHz	AC3x10 & ACE
AC6257 (0 dB base slope)	5…204 MHz	AC3x10 & ACE
PARAMETERS		
Current need	mA	< 2
Dimensions	mm	42 x 37 x 11

AC 6915 RIS RECEIVER

AC6915 is a RIS receiver module for remote control of ingress switches. It is compatible with intelligent 1.2 GHz ACx and ACE amplifiers.

- Compatible with AC3010, AC3210 and ACE3 amplifiers
- Plug-in unit with no additional cables
- Front panel led for RIS status
- RIS (Remote Ingress Switching) receiver with automatic scanning
- 0 dB / -6 dB / <-50 dB ingress switch control

RIS DATA LINK		
Data rate	bps	9380
Modulation method		FSK, Δf = ±25 kHz
Channel bandwidth	MHz	0.2
Downstream frequency range	MHz	115…130 and 245…260
Scanning step	MHz	0.25
Recommended carrier level at amp output	dBµV	90…105
GENERAL		
Power consumption	W	0.2
Dimensions	mm	68 x 55 x 9
Operating temperature range		see platform specifications
EMC		EN 50083-2

AC 6918 ALSC UNIT WITH RIS RECEIVER

AC6918 is a pilot measurement module for enabling automatic gain and slope control. It is compatible with intelligent 1.2 GHz ACx and ACE amplifiers.

- Compatible with AC3010, AC3210 and ACE3 amplifiers
- Plug-in unit with no additional cables
- Front panel leds for RIS and ALSC status
- Fast and accurate level measurement unit can measure any forward path channel level with selectable peak / average detection
- ALSC pilot frequencies are user programmable with automatic reserve pilot switching; full gain and slope control with two pilots, automatic switching to gain-only control with only one pilot
- Does not support plug-and-play single button automatic alignment. Forward path output levels should be first adjusted manually before enabling ALSC. Return path can then be automatically aligned.
- RIS (Remote Ingress Switching) receiver with automatic scanning
- 0 dB / -6 dB / <-50 dB ingress switch control

PILOT MEASUREMENT AND ALSC		
Measurement range	MHz	160…1218, 0.25 MHz steps
Measurement bandwidth	MHz	0.6
Measurement inaccuracy	dB	< 1.0
Dynamic range	dBµV	80…115
Pilot type		Analog / Digital
RIS DATA LINK		
Data rate	bps	9380
Modulation method		FSK, Δf = ±25 kHz
Channel bandwidth	MHz	0.2
Downstream frequency range	MHz	115…130 and 245…260
Scanning step	MHz	0.25
Recommended carrier level at amp output	dBµV	90…105
GENERAL		
Power consumption	W	0.5
Dimensions	mm	80 x 55 x 20
Operating temperature range		see platform specifications
EMC		EN 50083-2