



Dual input 32 way 10MHz Splitter

With individually controllable outputs

Typical applications:

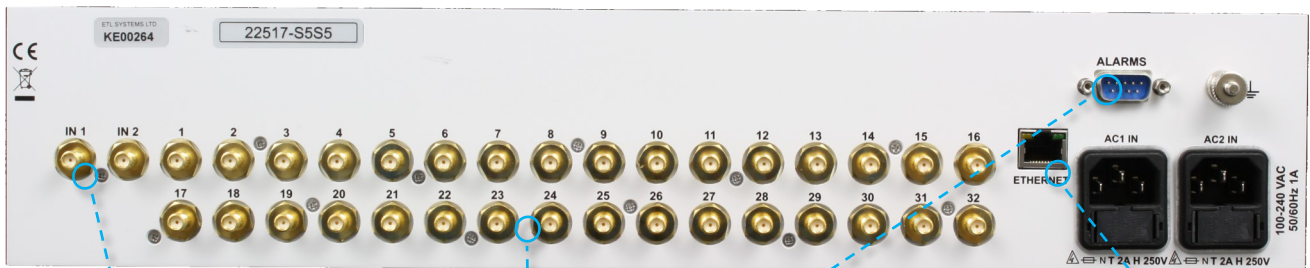
- Satellite operators, VSAT, teleports and broadcasters
- High resilience RF distribution where single points of failure must be minimised
- Redundancy applications for remote satellite teleports

Resilience
 From dual redundant amplifiers & power supplies

RF Level Monitoring
 Of all inputs and outputs—
 with user selectable
 thresholds and alarms

5-20 MHz
 operating
 frequency

Compact
 32-way splitter housed in a
 2U high, 19" rack mountable
 shelf



Dual input Switching
 to either input is
 automatically triggered
 by RF monitoring on the
 inputs

Variable gain to
 balance input signals

**Dry contact alarm
 port** for power supply
 status

**Remote control &
 monitoring** via RJ45
 ethernet port with SNMP
 & web browser interface





Technical specifications and operating parameters

RF Parameters		
Capacity	32-way	Dual input A or B input selectable or Auto mode based on input level monitoring
Frequency Range	5-20 MHz	
RF Connectors	50Ω SMA	
Gain adjustment range (dB) (Software selectable)	Low Gain Mode: -10 to 0dB in 1dB steps	Individually adjustable per output
	High Gain Mode: -2 to +8dB in 1dB steps	
Gain flatness full band	±0.30 dB	
Output Return Loss	Typical	20 dB
	Maximum	16 dB
Input Return Loss	Typical	20 dB
	Maximum	16 dB
Amplifier option	Dual redundant amplifier INPUT AMP CCT ONLY Hot standby, 1:1 redundancy with auto switch-over based on amplifier current monitoring.	
Isolation	>85 dB	Between any RF ports
Max input & Output Level	+15 dBm	
Additive SSB Phase Noise	1Hz -135dBc 10Hz -145dBc 100Hz -155dBc 1kHz -161dBc 10kHz+ -162dBc 100kHz-163dBc	At +15dBm Output @ unity gain
Spurious signals	< -80dBc	
Harmonics	-40dBc typical at 10MHz	

Environmental		
Operating temperature	0 to 50°C	
Location	Indoor use only	
Storage temperature	-20°C to +75°C	
Humidity	85% non-condensing	Relative humidity
Altitude	10,000 ft AMSL	Above Mean Sea Level

Power		
AC Power	<50W	At steady state
BUC Power	None	
PSU	85-264Vac 50/60Hz	Fused 2A
Hot-swap PSU	Dual redundant PSUs	Dual IEC INLET

System Control		
Monitoring	Input and outputs RF presence. Amplifier status. PSUs.	Controlled by Ethernet
Alarms	Dry contact, change-over via 9-way D-type. Available alarms are: PSU, amp, and signal status. Full status and alarms are also available via the Ethernet interface.	
Control & Display	LCD & Keypad	Front panel
Communication	RJ45 port with 10baseT/100baseTX Ethernet offering web browser access, SNMP, and ETL Proprietary TCP Protocol	

Physical	
Dimensions	2U high x 450mm deep x 19" wide
Weight	4.5 kg
Colour	RAL9003 White (semi-matte)

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

