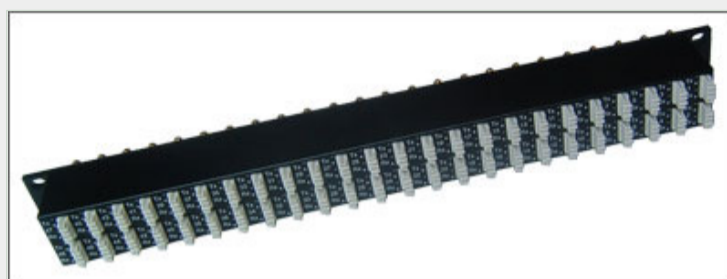


1U High, 96 Port (48 E1) Balun Panel



Description

Designed to meet or exceed CCITT G.703 Specifications for bi-directional signal conversion, at data rates from 2.048Mbit/s to 8.448Mbit/s. Provides 75/120 ohm impedance matching for up to 48 E1 Circuits. Coaxial connectors are HDC43 (BT), the twisted pair connectors are industry standard KATT IDC, compatible with ATT 110 and Krone termination tools.



This high density Balun Panel only occupies 1 Unit (1.75") of rack space in a standard 19" rack, the most space efficient panel available. The front Tufnol Panel isolates the coaxial connectors, Tx Tip and Tx Ring are connected to the 75 ohm winding of an impedance matching transformer, the 120 ohm windings are connected directly to the KATT termination block.

Features and Benefits

- Resolves the 75/120 ohm impedance mis-match between twisted pair equipment and coax cabling schemes.
- A cost effective, space efficient, robust, reliable and proven method of impedance matching 75 ohm coax to 120 ohm twisted pair.
- Industry standard HDC43 and KATT IDC Connectors allow convenient and flexible cabling.
- The high density design converts up to 48 x E1 Circuits in only one 19" Rack Unit (1.75" 44mm)
- Designed for E1/T1 applications
- Bi-Directional signal conversion, compliant with CCITT G.703
- No Power Required
- 5 Year Parts and Labour Warranty
- Complete with all necessary rack mount accessories

Specifications

75 ohm Connections	96 x HDC43
120 ohm Connections	48 x 4 Way KATT
Transmission Line	CCITT G.703 or G.704 (transparent)
Speed	2.048Mbit/s (E1) and 8.448Mbit/s (E2)
Cross Talk	Better than -50dB at 1 to 10Mhz
Insertion Loss	Less than 0.35dB
Return Loss	Better than 18dB
Dimensions	482 W x 70 D x 44 mm H (19" x 2.8" x 1.75")
Wiring Scheme	1 - Tx Ring, 2 - Tx Tip, 3 - Rx Ring, 4 - Rx Tip
Standard Grounding	Full isolation protection is provided, neither coax or twisted pair are grounded.
Materials	Case - Mild Steel, Black Powder Coat
Weight	2.6Kg
Warranty	5 Years, Parts and Labour
MTBF	Estimated 30 Years
Operating Temperature	0° to 50° C
Power Requirements	None
Harmonisation Code	8544 - 42 - 10

Part Numbers	Description
TKPP.E48.01KT	48 x E1 HDC43 to KATT Balun Panel
TKPP.E48.00KT	Un-Populated 48 Position Chassis
TKE2BA.01KT	Dual HDC43 to KATT Balun Insert