

This Balun Panel converts 24 G.703 E1 or E2 transmissions from unbalanced 75 coaxial to balanced 120 twisted pair. A bi-directional device requiring no external power, it connects telecommunications equipment with mismatched interfaces or facilitates the conversion from coaxial to twisted pair distribution wiring. In addition this product offers the following features:-

- coax to twisted pair conversion
- exceeds G.703 requirements
- >33dB return loss 0.3 to 3MHz
- mounts in standard 19" rack
- shielded balun construction
- 1.0/2.3(f) to IDC
- 75 to 120 impedances
- < 0.15dB E1 insertion loss
- mount recessed to ease cable entry
- gold plated coax pins
- 2 and 8Mbit/s data rates
- RoHS compliant
- teflon coaxial insulators
- · mount coax or IDC to front
- optional designation strips

## **OPERATING CONDITIONS**

Matching Impedance: unbalanced coaxial to 120 balanced twisted pair 2Mbit/s (E1) and 8Mbit/s (E2) per ITU-T G.703 Line Code Bit Rate: 2.37V nominal peak voltage at the coaxial end per G.703 Signal Level:

Working Temperature: -30°C to 75°C

## **ELECTRICAL SPECIFICATIONS**

<0.15dB from 51kHz to 3.072MHz (2Mbit/s) and Insertion Loss:

<0.20dB from 211kHz to 12.672MHz (8Mbit/s) in both directions Exceeds G.703 requirements by >13dB for 2Mbit/s and >8dB for 8Mbit/s Return Loss:

Pulse Shape: Exceeds G.703 requirements for 2Mbit/s and 8Mbit/s

>65dB from 51kHz to 12.672MHz between channels (>50dB for adjacent module contacts) Cross Talk:

Isolation Voltage: >250V DC

## **MECHANICAL SPECIFICATIONS**

Coaxial Connector: 1.0/2.3 female to IEC 169-29 Body: Brass, Plated Cu/Ni/Au

Pin: Beryllium Copper, Plated Cu/Ni/Au

Insulator: Teflon Mating Cycles: 500min

IDC Connector: Wire: Conductor Ø 0.4 to 0.63mm

Insulation Ø 0.7 to 1.1mm Moulding: Polycarbonate White Contacts: Phosphor Bronze, Tin Plated

Mating Cycles: 50min

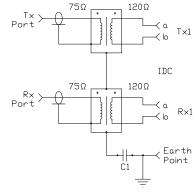
Steel, Zinc Sealed and Powder Coated Black Panel:

Panel Insulators: Thermoplastic, Black

## **TERMINATION**

Krone<sup>®</sup> Connection Tool 6089 2 003-00 or 6417 1 810-02 registered trade mark of the Krone Company

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1 DF 24 E1/E2 Ports