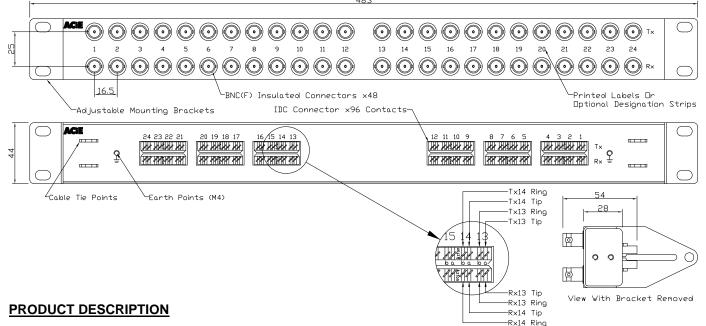


Balun Panel, 19" 1RU BNC(f) x48 to IDC Pairs x48 75/120 , 2-8Mbit/s

M1300942C1

483



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
- BNC(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

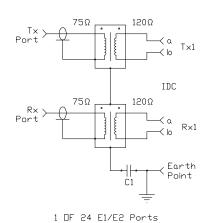
Matching Impedance:	75 unbalanced coaxial to 120 balanced twisted pair
Bit Rate:	2Mbit/s (E1) and 8Mbit/s (E2) per ITU-T G.703 Line Code
Signal Level:	2.37V nominal peak voltage at the coaxial end per G.703
Working Temperature:	-30°C to 75°C

ELECTRICAL SPECIFICATIONS

Insertion Loss:	<0.15dB from 51kHz to 3.072MHz (2Mbit/s) and
	<0.20dB from 211kHz to 12.672MHz (8Mbit/s) in both directions
Return Loss:	Exceeds G.703 requirements by >13dB for 2Mbit/s and >8dB for 8Mbit/s
Pulse Shape:	Exceeds G.703 requirements for 2Mbit/s and 8Mbit/s
Cross Talk:	>65dB from 51kHz to 12.672MHz between channels (>50dB for adjacent module contacts)
Isolation Voltage:	>250V DC

MECHANICAL SPECIFICATIONS

Coaxial Connector:	BNC female to IEC 169-8 Body: Brass, Plated Cu/Ni
	Pin: Phosphor Bronze, 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
Panel:	Steel, Zinc Sealed and Powder Coated Black
Panel Insulators:	Thermoplastic, Black
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TERMINATION

IDC:

Krone[®] Connection Tool 6089 2 003-00 or 6417 1 810-02

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