

Baluns & Related Patch Panels

Type of Interface

- 1.6/5.6
- BNC
- 1.0/2.3
- Type 43
- CAT 5e/6



F.2

F.3



F.1



F.4

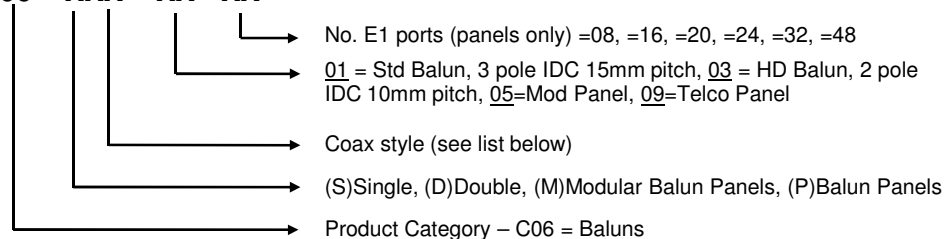


F.5

Ordering Information

Group C-06** Balun and Modular Balun Panels

PX – C06 – XXX – XX - XX



Coax style

- | | |
|------------------------------------|------------------------------------|
| 00 – BNC (F) Bulkhead Mounting | 21 BT43 (f) HDC Posi Lock |
| 01 – BNC (m) | 23 – BT43 (m) fixed Mounting |
| 04 – BNC (f) No Mounting | 30 – 1.0/2.3 (f) Bulkhead Mounting |
| 10 – 1.6/5.6 (f) Bulkhead Mounting | 31 – 1.0/2.3 (m) Posi Lock |
| 11 – 1.6/5.6 (m) screw coupling | 40 – SMB (f) Snap Coupling |
| 15 – 1.6/5.6 (m) snap coupling | 41 – SMB (m) Bulkhead Mounting |



F.6

Balun, 75/120Ω, 2-8Mbit/s, E1 & E2

BNC (Male/Female) Straight to 3 Pole IDC

OPERATING CONDITIONS

Matching Impedance: 75 Ω unbalanced coaxial to 120 Ω balanced twisted pair
 Bit Rate: 2Mbit/s (E1) & 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 (E1) & < 0.20dB from 211kHz to 12.673MHz (E2) in both directions
 Return Loss: Exceeds G.703 requirements in both directions > 26dB from 51kHz to 3.072MHz (E1) and > 26dB from 211kHz to 12.673MHz (E2)
 Pulse Shape: Exceeds G.703 requirements for 2Mbit/s and 8Mbit/s
 Cross Talk: > 70dB from 51kHz to 12.673MHz, 2 baluns 20mm apart
 Isolation Voltage: < 250V DC

MECHANICAL SPECIFICATIONS

Coaxial Connector: BNC male/female to IEC 169-8
 Body: Brass, Plated Cu/Ni5b and Cu/Ni2/Sn5
 Pin:- male: Brass, female: phosphor bronze, Plated Cu/Ni5/Au1.25
 Insulator: Teflon
 Mating Cycles: 500min
 IDC Connector: Wire: Conductor Ø 0.4 to 0.65mm, Insulation Ø 0.7 to 1.4mm
 Contacts: Silver Plated
 Moulding: Polyester White
 Mating Cycles: 50min
 Mouldings: Noryl Black

TERMINATION

IDC: Krone Connection Tool 6089 2 003-00 or 6417 2 055-01
 Panel Mounting: Spanner 16mm A/F

1.6/5.6 (m) Screw Coupling to 3 Pole IDC 1.6/5.6 (f) Bulk head to 3 Pole IDC

OPERATING CONDITIONS

Matching Impedance: 75Ω unbalanced coaxial to 120Ω balanced twisted pair
 Bit Rate: 2Mbit/s (E1) & 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 (E1) & < 0.20dB from 211kHz to 12.673MHz (E2) in both directions
 Return Loss: Exceeds G.703 requirements in both directions > 26dB from 51kHz to 3.072MHz (E1) & > 26dB from 211kHz to 12.673MHz (E2)
 Pulse Shape: Exceeds G.703 requirements for 2Mbit/s and 8Mbit/s
 Cross Talk: > 70dB from 51kHz to 12.673MHz, 2 baluns 20mm apart
 Isolation Voltage: < 250V DC for 1 minute

MECHANICAL SPECIFICATIONS

Coaxial Connector: 1.6/5.6 male to IEC 169-13
 Body: Brass, Plated Cu/Ni5 and Cu/Ni2/Sn5
 Slotted Contact: Beryllium Copper, Plated Cu/Ni5/Au1.25
 Pin: Brass, Plated Cu/Ni5/Au1.25
 Insulator: Teflon
 Mating Cycles: 500min
 IDC Connector: Wire: Conductor Ø 0.4 to 0.65mm, Insulation Ø 0.7 to 1.4mm
 Contacts: Silver Plated
 Moulding: Polyester White
 Mating Cycles: 50min
 Mouldings: Noryl Black

TERMINATION

IDC: Krone Connection Tool 6089 2 003-00 or 6417 2 055-01
 Panel Mounting: 1.6/5.6 Tube spanner



F.7



F.8



F.9