

ISDN U-INTERFACE TRANSFORMERS

For Applications with 2B1Q and 4B3T Coding



Additional Specifications

| Return Loss (2B1Q) (10 and 25Hz) | Longitudinal Balance (2B1Q) | | Longitudinal Balance (4B3T) | | Surge Voltage Resistability (ALL) | |
|-------------------------------------|--------------------------------|--------------|--------------------------------|----------|--------------------------------------|------------|
| 20dB MIN | 28Hz to 40kHz | 55dB MIN | 5kHz | 20dB MIN | Metallic @ 800V Peak | 10/700µsec |
| — | Above 40kHz | -20dB/decade | 20kHz-150kHz | 40dB MIN | Long. @ 2400V Peak | 10/560µsec |
| — | — | — | 1MHz | 36dB MIN | — | — |

Transformer Selection

| Company | Chip | Coding | Transformer 2000Vrms Isolation | Transformer High Isolation Models |
|----------|-----------------------|--------|--------------------------------------|---|
| Motorola | MC145472 | 2B1Q | PE-65579 | — |
| Motorola | MC145572 | 2B1Q | PE-68628 | PE-68668 |
| National | TP 3410 | 2B1Q | PE-65583 ⁽¹⁾ | PE-68631 |
| | | | PE-65584 ⁽¹⁾ | PE-68681 |
| Siemens | PEB 2091 | 2B1Q | PE-65575 ⁽⁴⁾ | PE-68669 |
| Siemens | PEB 2090 PEB 20901 | 4B3T | PE-65578 | — |
| Thomson | SD 5411 | 2B1Q | PE-65581 | — |

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