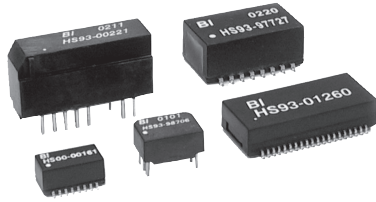


Electrical / Environmental

HS93

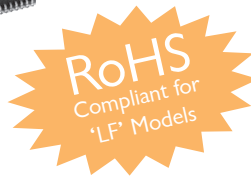
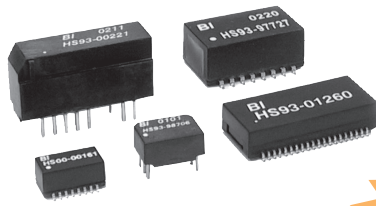
T1/CEPT/ISDN-Pri Telecom Products


- Meets the required 1500 Vrms line isolation
- Standard Operating Temperature Range 0°C to +70°C
- Extended Operating Temperature Range -40°C to +85°C
- RoHS Peak Solder Rating 260°C
- Non-RoHS Peak Solder Rating 235°C

Specifications

| BI P/N ¹ | RoHS ² | Transformer | Turns Ratio ⁵ (±5%) Primary : Secondary | OCL (mH Min.) | Packaging (mm) | | | Hi-Pot (Vrms) | | |
|-------------------------|-------------------|-------------|---|------------------|----------------|---------|--------|------------------|-------|--------|
| | | | | | Style | Pitch | Length | | Width | Height |
| HS00-00587 ⁴ | 3 | Single | 1:2CT | 1.20 | 6-pin DIL | 100 mil | 12.70 | 8.90 | 6.35 | 1500 |
| HS00-01509 ⁴ | 3 | Single | 1:1/1.26 | 1.50 | 6-pin DIL | 100 mil | 12.70 | 8.90 | 6.35 | 1500 |
| HS93-98706 ⁴ | 3 | Single | 1:1:1 (1:2CS) | 1.20 | 6-pin DIL | 100 mil | 12.70 | 8.90 | 6.35 | 1500 |
| HS93-97731 ⁴ | 3 | Single | 1CT:2CT | 1.20 | 10-pin DIL | 100 mil | 14.22 | 14.22 | 10.20 | 3000 |
| HS00-00543 | LF | Dual | 1CT:2CT & 1:1.36CT | 1.60 & 1.60 | 12-pin SMT | 100 mil | 17.20 | 12.80 | 6.00 | 1500 |
| HS00-00091 ⁴ | 3 | Dual | 1:2CT & 1:1.36 | 1.20 & 1.20 | 14-pin DIL | 100 mil | 20.30 | 9.80 | 6.35 | 1500 |
| HS00-00227 ⁴ | 3 | Dual | 1:1/1.26 & 1:2CT | 1.50 & 1.20 | 14-pin DIL | 100 mil | 20.32 | 9.80 | 7.37 | 1500 |
| HS93-98705 ⁴ | 3 | Dual | 1:2CT & 1:1.36 | 1.20 & 1.20 | 14-pin DIL | 100 mil | 20.57 | 10.00 | 6.60 | 1500 |
| HS00-00197 ⁴ | 3 | Dual | 1CT:1CT & 1CT:3CT:1 | 1.20 & 1.20 | 16-pin DIL | 100 mil | 25.40 | 10.00 | 9.80 | 1500 |
| HS00-00161 | LF | Dual | 1CT:1CT & 1CT:2.4CT | 1.00 & 1.00 | 16-pin SMT | 50 mil | 12.70 | 9.53 | 6.22 | 1500 |
| HS00-00214 | LF | Dual | 1:1.36CT & 1:2CT | 1.50 & 1.50 | 16-pin SMT | 50 mil | 12.70 | 9.65 | 5.50 | 1500 |
| HS00-00571 | LF | Dual | 1CT:1CT & 1CT:2CT | 1.20 & 1.20 | 16-pin SMT | 50 mil | 12.70 | 9.53 | 6.22 | 1500 |
| HS00-00583 | LF | Dual | 1CT:2CT & 1CT:2CT | 1.20 & 1.20 | 16-pin SMT | 50 mil | 12.70 | 9.53 | 6.22 | 1500 |
| HS00-98679 | LF | Dual | 1CT:1CT & 1CT:1CT | 1.50 & 1.50 | 16-pin SMT | 50 mil | 12.70 | 9.53 | 6.22 | 1500 |
| HS00-99629 | LF | Dual | 1:2 & 1:2 | 1.50 & 1.50 | 16-pin SMT | 50 mil | 12.70 | 9.65 | 5.50 | 1500 |
| HS00-99630 | LF | Dual | 1:1.26 & 1:1.26 | 1.50 & 1.50 | 16-pin SMT | 50 mil | 12.70 | 9.65 | 5.50 | 1500 |
| HS00-99706 | LF | Dual | 1CT:1.41CT & 1CT:1.41CT | 1.00 & 1.00 | 16-pin SMT | 50 mil | 12.70 | 9.65 | 5.50 | 1500 |
| HS93-01155 | LF | Dual | 1CT:2CT & 1CT:1.36CT | 1.50 & 1.50 | 16-pin SMT | 50 mil | 12.70 | 9.65 | 6.06 | 1500 |
| HS93-01156 | LF | Dual | 2CT:1CT & 1CT:1.36CT | 1.20 & 1.20 | 16-pin SMT | 50 mil | 12.70 | 9.65 | 6.06 | 1500 |
| HS93-01163 | LF | Dual | 2CT:1/1.26 & 2CT:1/1.26 | 1.50 & 1.50 | 16-pin SMT | 50 mil | 12.70 | 9.26 | 6.06 | 1500 |
| HS93-02060 | LF | Dual | 1:1.15CT & 1CT:2CT | 1.20 & 1.20 | 16-pin SMT | 50 mil | 12.70 | 9.65 | 6.22 | 1500 |
| HS93-99707 | LF | Dual | 1CT:1.41CT & 1CT:1.41CT | 1.00 & 1.00 | 16-pin SMT | 50 mil | 12.70 | 9.53 | 6.22 | 1500 |
| HT00-05077 | LF | Dual | 1:1.36CT & 1CT:2CT | 1.20 & 1.20 | 16-pin SMT | 50mil | 12.70 | 9.53 | 6.22 | 1500 |
| HT00-02027 | 3 | Octal | 1:2 | 1.50 | 32-pin SMT | 50 mil | 25.40 | 10.92 | 7.34 | 1500 |
| HT00-02028 | 3 | Octal | 1:1.15 | 1.50 | 32-pin SMT | 50 mil | 25.40 | 10.92 | 7.34 | 1500 |
| HT00-03035 | 3 | Octal | 1:1 | 1.20 | 32-pin SMT | 50 mil | 25.40 | 10.92 | 7.34 | 1500 |
| HS00-00727 | LF | Octal | Tx: 1:2 & Rx: 1:2CT | 1.50 & 1.50 | 40-pin SMT | 50 mil | 29.80 | 16.26 | 6.95 | 1500 |
| HS00-99576 | LF | Octal | Tx: 1:2.4 & Rx: 1:1 | 1.20 & 1.20 | 40-pin SMT | 50 mil | 27.62 | 16.00 | 5.77 | 1500 |
| HS00-99641 | LF | Octal | Tx: 1:1.36CT & Rx: 1:2CT | 1.20 & 1.20 | 40-pin SMT | 50 mil | 29.80 | 16.26 | 6.95 | 1500 |
| HS00-01114 | LF | Octal | Tx: 1:2CT & Rx 1CT:2 | 1.20 & 1.20 | 40-pin SMT | 50 mil | 27.62 | 16.00 | 5.77 | 1500 |
| HS93-01260 | LF | Octal | Tx: 1:2CT & Rx: 1CT:1 | 1.20 & 1.20 | 40-pin SMT | 50 mil | 29.80 | 16.26 | 6.95 | 1500 |
| HS93-01675 | LF | Octal | Tx: 1:1.36CT & Rx: 1:1 | 1.20 & 1.20 | 40-pin SMT | 50 mil | 29.80 | 16.26 | 6.95 | 1500 |
| HS93-06054 | LF | Octal | Tx: 1:2/2.4 & Rx: 1:0.79/1 | 1.00 & 1.00 | 40-pin SMT | 50 mil | 27.62 | 16.00 | 5.77 | 1500 |
| HT00-03026 | LF | Octal | Tx: 1:2.4 & Rx: 1:1 | 1.00 & 1.00 | 40-pin SMT | 50 mil | 27.94 | 16.26 | 5.77 | 1500 |
| HT00-03027 | LF | Octal | Tx: 1:1.26CT & Rx: 1:1.26CT | 1.20 & 1.20 | 40-pin SMT | 50 mil | 27.84 | 16.26 | 5.77 | 1500 |
| HT00-03086 | LF | Octal | Tx: 1:1.36 & Rx: 1:1.36CT | 1.20 & 1.20 | 40-pin SMT | 50 mil | 27.62 | 16.00 | 5.77 | 1500 |
| HT00-03093 | LF | Octal | Tx: 1:1.15 & Rx: 1:2 | 1.50 & 1.50 | 40-pin SMT | 50 mil | 27.62 | 16.00 | 5.77 | 1500 |
| HT00-04152 | LF | Octal | Tx: 1:2CT & Rx: 1:2CT | 1.20 & 1.20 | 40-pin SMT | 50 mil | 28.58 | 16.26 | 6.95 | 1500 |

- Notes:
- (1) For Tape & Reel Packaging, add a "TR" suffix to the end of the Part Number when ordering, e.g. HS00-00161TR or HS00-00161LFTR (for RoHS Compliant)
 - (2) Add a "LF" suffix to the Part Number for RoHS compliant parts, e.g. HS93-02060LF or HS93-02060LFTR (for Tape & Reel)
 - (3) Contact BI Technologies for RoHS compliant part availability.
 - (4) Tube Packaging only.
 - (5) CT is Center Tap & CS is Split Center Tap



HS93

ISDN S-Interface Telecom Products

- Meets the required 1500 Vrms line isolation
- Standard Operating Temperature Range 0°C to +70°C
- Extended Operating Temperature Range -40°C to +85°C
- RoHS Peak Solder Rating 260°C
- Non-RoHS Peak Solder Rating 235°C

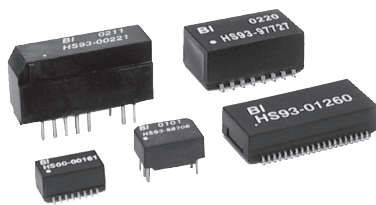
Specifications

| BI P/N ¹ | RoHS ² | Transformer | Turns Ratio ⁵ (±5%) Primary : Secondary | OCL (mH Min.) | Packaging (mm) | | | | HI-Pot (Vrms) | |
|-------------------------|-------------------|-------------|---|------------------|----------------|---------|--------|-------|------------------|--------|
| | | | | | Style | Pitch | Length | Width | | Height |
| HS00-00193 ⁴ | 3 | Single | 1CT:2CT | 22 | 6-pin DIL | 200 mil | 14.20 | 14.20 | 10.20 | 2000 |
| HS93-02045 ⁴ | LF | Single | 1:1 | 1.20 | 6-pin SMT | 100 mil | 7.62 | 9.91 | 6.35 | 2000 |
| HS00-00232 ⁴ | 3 | Dual | 1:2 & 1:2 | 22 & 22 | 16-pin DIL | 100 mil | 23.37 | 14.22 | 10.20 | 2000 |
| HS00-00151 | 3 | Dual | 1CS:2.5CS & 1CS:2.5CS | 22 & 22 | 16-pin SMT | 100 mil | 25.32 | 14.99 | 8.89 | 1500 |
| HS00-00152 | 3 | Dual | 1CS:2.5CS & 1CS:2.5CS | 22 & 22 | 16-pin SMT | 100 mil | 24.00 | 18.29 | 9.30 | 2000 |
| HS00-00840 | 3 | Dual | 1:2.5 & 1:2.5 | 22 & 22 | 16-pin SMT | 100 mil | 24.13 | 18.29 | 9.91 | 2000 |
| HS93-01027 | LF | Dual | 1:1 & 1:1 | 22 & 22 | 16-pin SMT | 100 mil | 24.00 | 18.29 | 10.10 | 2000 |
| HS93-97727 | 3 | Dual | 1CS:2CS & 1CS:2CS | 22 & 22 | 16-pin SMT | 100 mil | 24.13 | 18.29 | 10.16 | 2000 |
| HT00-03083 | LF | Dual | 1 split:1 split & 1 split:1 split | 30 & 30 | 16-pin SMT | 100 mil | 25.40 | 12.70 | 7.30 | 2000 |
| HS93-00221 ⁴ | 3 | Dual | 1CT:2 & 1CT:2 | 30 & 30 | 18-pin DIL | 100 mil | 29.06 | 10.62 | 16.39 | 1500 |
| HS00-00604 | 3 | Dual | 1:2 & 1:2 | 30 & 30 | 20-pin SMT | 100 mil | 27.74 | 18.44 | 10.92 | 3000 |
| HS93-01048 | 3 | Dual | 1CT:1CT & 1CT:1CT | 30 & 30 | 20-pin SMT | 100 mil | 29.72 | 17.78 | 8.28 | 1500 |
| HS93-01255 | LF | Quad | 1:1 | 1.20 | 16-pin SMT | 100 mil | 24.13 | 18.29 | 9.91 | 2000 |
| HS93-06023 | LF | Quad | 1:1.26 | 1.20 | 16-pin SMT | 100 mil | 24.13 | 18.29 | 9.91 | 2000 |

- Notes:
- (1) For Tape & Reel Packaging, add a "TR" suffix to the end of the Part Number when ordering, e.g. HS93-01027TR or HS93-01027LFTR (for RoHS Compliant)
 - (2) Add a "LF" suffix to the Part Number for RoHS compliant parts, e.g. HS93-01255LF or HS93-01255LFTR (for Tape & Reel)
 - (3) Contact BI Technologies for RoHS compliant part availability.
 - (4) Tube Packaging only.
 - (5) CT is Center Tap & CS is Split Center Tap

HS93

ISDN U-Interface Telecom Products

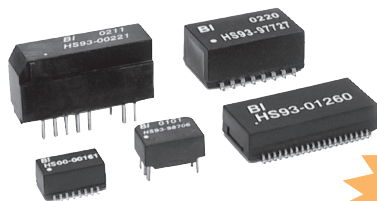


- Meets the required 1500 Vrms line isolation
- Standard Operating Temperature Range 0°C to +70°C
- Extended Operating Temperature Range -40°C to +85°C
- Withstands 235°C IR reflow for 1 minute

Specifications

| BI P/N | RoHS ¹ | Transformer | Turns Ratio ⁴ (±5%) Primary : Secondary | OCL (mH Min.) | Packaging (mm) | | | | HI-Pot (Vrms) | |
|--------------------------|-------------------|-------------|---|------------------|----------------|---------|--------|-------|------------------|--------|
| | | | | | Style | Pitch | Length | Width | | Height |
| HS00-00225 ³ | 2 | Single | 1.65:1CT | 13.0 | 8-pin TH/DS | 150 mil | - | - | - | 2000 |
| HM00-97500D ³ | 2 | Single | 1:1.25CT | 25.8 | 10-pin TH/DS | 150 mil | - | - | - | 2000 |
| HS00-00226 ³ | 2 | Single | 1.50:1CT | 25.6 | 10-pin TH/DS | 150 mil | - | - | - | 2000 |

- Notes:
- (1) Add a "LF" suffix to the Part Number for RoHS compliant parts
 - (2) Contact BI Technologies for RoHS compliant part availability
 - (3) Tray Packaging only.
 - (4) CT is Center Tap & CS is Split Center Tap



HS93

T3/DS3/E3/STS-1 Telecom Products

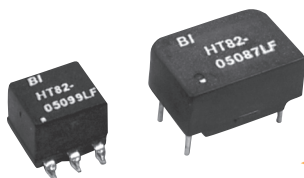
- Meets the required 1500 Vrms line isolation
- Standard Operating Temperature Range 0°C to +70°C
- Extended Operating Temperature Range -40°C to +85°C
- RoHS Peak Solder Rating 260°C
- Non-RoHS Peak Solder Rating 235°C

Specifications

| BI P/N ¹ | RoHS ² | Transformer | Turns Ratio ⁴ (±5%) Primary : Secondary | OCL (µH Min.) | Packaging (mm) | | | | | Hi-Pot (Vrms) |
|---------------------|-------------------|-------------|---|------------------|----------------|---------|--------|-------|--------|------------------|
| | | | | | Style | Pitch | Length | Width | Height | |
| HS00-00585 | LF | Single | 1:1 | 40 | 6-pin DIL | 100 mil | 12.70 | 8.90 | 6.35 | 3000 |
| HS00-00588 | LF | Single | 1:2CT | 19 | 6-pin SMT | 100 mil | 7.62 | 10.62 | 6.35 | 1500 |
| HS00-00710 | LF | Single | 1:1 | 100 | 6-pin SMT | 100 mil | 7.62 | 9.91 | 6.35 | 1500 |
| HT00-02107 | LF | Single | 1CT:1CT | 40 | 6-pin SMT | 100 mil | 7.62 | 9.91 | 6.35 | 1500 |
| HS00-02601 | LF | Single | 1:1 | 600 | 6-pin SMT | 100 mil | 7.62 | 9.91 | 6.35 | 1500 |

- Notes:
- (1) For Tape & Reel Packaging, add a "TR" suffix to the end of the Part Number when ordering, e.g. HT00-02107TR or HT00-02107LFTR (for RoHS Compliant)
 - (2) Add a "LF" suffix to the Part Number for RoHS compliant parts, e.g. HS00-02601LF or HS00-02601LFTR (for Tape & Reel)
 - (3) Contact BI Technologies for RoHS compliant part availability.
 - (4) CT is Center Tap & CS is Split Center Tap

Electrical / Environmental



HT82

VDSL Telecom Products

- Meets standard dielectric withstanding voltage requirements
- Standard Operating Temperature Range 0°C to +70°C
- Extended Operating Temperature Range -40°C to +85°C
- RoHS Peak Solder Rating 260°C
- Non-RoHS Peak Solder Rating 235°C

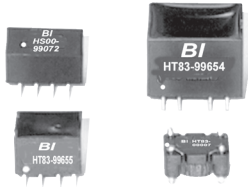
Specifications

| BI P/N | RoHS ¹ | Turns Ratio Chip: Line (±3%) | Style | Pitch | Packaging (mm) | | | Hi-Pot (Vrms) |
|-------------------------|-------------------|---------------------------------|-----------|-------|----------------|-------|--------|------------------|
| | | | | | Length | Width | Height | |
| HT82-05087 ³ | LF | 1:1CT | 6-pin TH | 2.54 | 12.7 | 8.89 | 6.35 | 3000 |
| HT82-05099 | LF | 1:1CT | 6-pin SMT | 2.54 | 7.61 | 9.91 | 6.35 | 3000 |

- Notes:
- (1) For Tape & Reel Packaging, add a "TR" suffix to the end of the Part Number when ordering, e.g. HT82-05099TR or HT82-05099LFTR (for RoHS Compliant)
 - (2) Add a "LF" suffix to the Part Number for RoHS compliant parts, e.g. HT82-005087LF
 - (3) Tube Packaging only

Electrical / Environmental

HT83

CMC for Networking & Telecom Products


- Conforms to ANSI, ITU and ETSI standards
- Meets standard dielectric withstanding voltage requirements
- Standard Operating Temperature Range 0°C to +70°C
- Extended Operating Temperature Range -40°C to +85°C
- RoHS Peak Solder Rating 260°C
- Non-RoHS Peak Solder Rating 235°C

Specifications

| BI P/N ¹ | RoHS ² | No. of Lines | OCL (mH) | Packaging (mm) | | | Hi-Pot (Vrms) | | |
|-------------------------|-------------------|--------------|----------|----------------|---------|--------|---------------|-------|--------|
| | | | | Style | Pitch | Length | | Width | Height |
| HT83-00007 | LF | 2 | 4.7 | 4-pin SMT | - | 10.00 | 8.76 | 6.50 | 500 |
| HT83-00787 | LF | 2 | 9.0 | 8-pin SMT | 100 mil | 11.70 | 12.75 | 7.10 | 1500 |
| HT83-05088 | LF | 2 | - | 8-pin SMT | 100 mil | 11.70 | 12.75 | 7.10 | 1500 |
| HS00-99586 | ³ | 4 | 0.100 | 8-pin SMT | 100 mil | 12.00 | 12.75 | 7.10 | 500 |
| HS00-98274 | ³ | 4 | 0.036 | 8-pin SMT | 100 mil | 12.00 | 12.70 | 6.70 | 1500 |
| HS00-00230 | ³ | 4 | 0.022 | 8-pin SMT | 100 mil | 12.10 | 15.30 | 8.64 | 500 |
| HS00-00229 ⁴ | ³ | 4 | 0.068 | 8-pin TH | 100 mil | 10.16 | 10.16 | 7.62 | 500 |
| HS00-99072 ⁴ | ³ | 4 | 0.024 | 8-pin TH | 100 mil | 15.11 | 12.20 | 7.62 | 1500 |
| HS00-99080 ⁴ | ³ | 4 | 0.120 | 8-pin TH | 100 mil | 12.70 | 10.00 | 6.78 | 500 |
| HT83-99655 ⁴ | ³ | 4 | 0.024 | 8-pin TH | 100 mil | 10.16 | 10.16 | 6.35 | 500 |

- Notes:
- (1) For Tape & Reel Packaging, add a "TR" suffix to the end of the Part Number when ordering
 - (2) Add a "LF" suffix to the Part Number for RoHS compliant parts
 - (3) Contact BI Technologies for RoHS compliant part availability.
 - (4) Tube Packaging only.

Electrical / Environmental

HS00

Digital Audio Products


- Meets the required 2000 Vrms line isolation
- Standard Operating Temperature Range 0°C to +70°C
- Extended Operating Temperature Range -40°C to +85°C
- RoHS Peak Solder Rating 260°C
- Non-RoHS Peak Solder Rating 235°C

Specifications

| BI P/N | RoHS ¹ | Turns Ratio | Primary Inductance (mH ±20%) | Packaging (mm) | | | Hi-Pot (Vrms) | | |
|-------------------------|-------------------|-------------|------------------------------|----------------|---------|--------|---------------|-------|--------|
| | | | | Style | Pitch | Length | | Width | Height |
| HM00-97733 ² | LF | 1:1 | 2.50 | 4-pin TH | 200 mil | 12.7 | 8.89 | 6.35 | 2000 |
| HS00-99049 | LF | 1:1 | 2.50 | 8-pin SMD | 100 mil | 12.7 | 12.7 | 6.7 | 2000 |

- Notes:
- (1) Add a "LF" suffix to the Part Number for RoHS compliant parts.
 - (2) Tube Packaging only.