

Electrical / Environmental

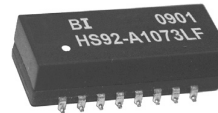
- Meets the required 1500 Vrms line isolation
- Standard Operating Temperature Range 0°C to +70°C
- Extended Operating Temperature Range -40°C to +85°C
- RoHS Peak Solder Rating 260°C



HS92

10Base Networking Products

SINGLE-PORT: SMT 16-PIN (2 Types)



| BI P/N ¹ | Ports Supported | Configuration ² | | Turns Ratio ³ | | Packaging (mm) | | | | Hi-Pot (Vrms) | |
|---------------------------|-----------------|----------------------------|------|--------------------------|---------|----------------|-------|--------|-------|---------------|--------|
| | | Tx | Rx | Tx | Rx | Style | Pitch | Length | Width | | Height |
| HS92-98029LF | 1 | T | T | 1CT:2CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.65 | 5.50 | 1500 |
| HS92-98703LF | 1 | T,C | T,C | 1CT:2CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.53 | 6.20 | 1500 |
| HS00-99118LF | 1 | T,C | T | 1CT:2CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.35 | 5.08 | 1500 |
| HS92-99587LF | 1 | T | T | 1CT:√2CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.40 | 5.08 | 1500 |
| HS00-00041LF | 1 | T,C | T | 1CT:√2CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.53 | 6.20 | 1500 |
| HS00-00078LF ⁴ | 1 | T,C | T,C | 1CT:1CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.53 | 6.22 | 1500 |
| HS00-00205LF | 1 | T,C | T,C | 1CT:2CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.53 | 6.20 | 2000 |
| HS92-00223LF | 1 | T,C | T,C | 1CT:2CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.53 | 6.22 | 1500 |
| HS92-01001LF | 1 | T,C | T,C | 1CT:2.5CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.40 | 5.08 | 2000 |
| HS00-01005LF | 1 | T | T | 1CT:√2CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.40 | 5.08 | 1500 |
| HS92-A1041LF | 1 | T,C | T,C | 1CT:2.5CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.52 | 5.08 | 2000 |
| HS92-01107LF | 1 | T | T | 1CT:1CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.65 | 5.08 | 2000 |
| HS92-02014LF | 1 | T,C | T,C | 1CT:1CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.00 | 5.08 | 1500 |
| HS92-02085LF | 1 | T | T | 1CT:√2CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.53 | 5.08 | 2000 |
| HS92-05158LF | 1 | T,C | T | 2CT:1CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.53 | 5.08 | 1500 |
| HS92-05171LF | 4(Rx) | - | T | - | 1:1 | 16-pin SMT | 1.27 | 12.70 | 9.53 | 5.08 | 1500 |
| HS92-06143LF | 1 | T,C | T | 1CT:2CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.53 | 6.20 | 1500 |
| HS92-07101LF | 1 | T | T | 1CT:2.5CT | 1CT:1CT | 16-pin SMT | 1.27 | 12.70 | 9.53 | 5.08 | 2000 |
| HS92-A1073LF | 1 | T, C | T, C | 1:√2 | 1:1 | 16-pin SMT | 2.54 | 25.40 | 12.70 | 6.05 | 1500 |

DUAL-PORT: SMT 16-PIN



| BI P/N ¹ | Ports Supported | Configuration ² | | Turns Ratio ³ | | Packaging (mm) | | | | Hi-Pot (Vrms) | |
|---------------------|-----------------|----------------------------|----|--------------------------|-----|----------------|-------|--------|-------|---------------|--------|
| | | Tx | Rx | Tx | Rx | Style | Pitch | Length | Width | | Height |
| HS92-08004LF | 2 | T | T | 1:2 | 1:1 | 16-pin SMT | 1.27 | 12.70 | 9.53 | 5.08 | 2200 |

QUAD-PORT: SMT 40-PIN



| BI P/N ¹ | Ports Supported | Configuration ² | | Turns Ratio ³ | | Packaging (mm) | | | | | Hi-Pot (Vrms) |
|---------------------|-----------------|----------------------------|----|--------------------------|-----|----------------|-------|--------|-------|--------|---------------|
| | | Tx | Rx | Tx | Rx | Style | Pitch | Length | Width | Height | |
| HS92-98260LF | 4 | T | T | 1CT:√2CT | 1:1 | 40-pin SMT | 1.27 | 27.62 | 16.00 | 5.52 | 1500 |
| HS92-98261LF | 4 | T,C | T | 1CT:√2CT | 1:1 | 40-pin SMT | 1.27 | 27.62 | 16.00 | 5.52 | 1500 |
| HS92-98262LF | 4 | T,C | T | 1CT:1CT | 1:1 | 40-pin SMT | 1.27 | 27.62 | 16.00 | 5.52 | 1500 |
| HS92-98263LF | 4 | T | T | 1CT:1CT | 1:1 | 40-pin SMT | 1.27 | 27.62 | 16.00 | 5.52 | 1500 |
| HS92-01111LF | 4 | T,C | T | 1CT:1CT | 1:1 | 40-pin SMT | 1.27 | 27.62 | 16.00 | 5.52 | 1500 |

AUI TRF MODULE, SINGLE-PORT: SMT 16-PIN



| BI P/N ¹ | Ports Supported | Configuration ² | | Turns Ratio ³ | | Packaging (mm) | | | | | Hi-Pot (Vrms) |
|---------------------|-----------------|----------------------------|----|--------------------------|-----|----------------|-------|--------|-------|--------|---------------|
| | | Tx | Rx | Tx | Rx | Style | Pitch | Length | Width | Height | |
| HS92-98270LF | 1 | T | T | 1:1 | 1:1 | 16-pin SMT | 1.27 | 12.70 | 9.65 | 5.50 | 2000 |
| HS92-98702LF | 1 | T | T | 1:1 | 1:1 | 16-pin SMT | 1.27 | 12.70 | 9.53 | 5.08 | 2000 |
| HS92-05157LF | 1 | T | T | 1:1 | 1:1 | 16-pin SMT | 1.27 | 12.70 | 9.53 | 5.08 | 1500 |

- Notes: (1) For Tape & Reel Packaging, add a "TR" suffix to the end of the Part Number when ordering, e.g. HS92-02085TR.
(2) IC to Cable side: C is Common Mode Choke and T is Transformer.
(3) Turns Ratio is IC to Cable side.
(4) Operating Temperature Range: -40°C ~ +105°C