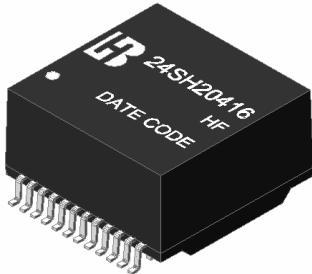


# 1000 BASE -T MAGNETICS MODULES

P/N: 24SH20416 HF DATA SHEET



## Feature



- Complying with ROHS requirements.
- Operating temperature range: -40°C to +85°C.
- Storage temperature range: -40°C to +85°C.

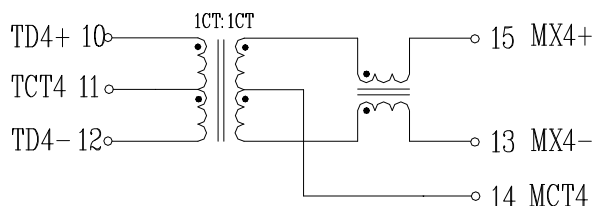
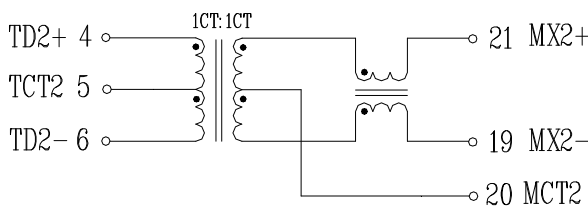
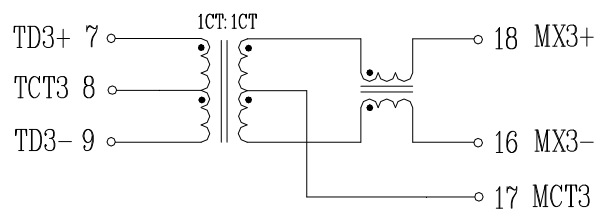
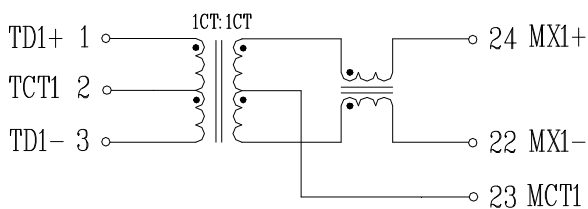
### Electrical Specifications @ 25°C

| Part Number  | Turns Ratio (±5%) |         | OCL (uH Min)<br>@100KHz/0.1V<br>with 8mA DC Bias | Cross talk (dB Min) |       |        | HI-POT (Vrms)   |
|--------------|-------------------|---------|--|---------------------|-------|--------|-----------------|
|              | TX                | RX      |  | 30MHz               | 60MHz | 100MHz |                 |
| 24SH20416 HF | 1CT:1CT           | 1CT:1CT | 350  | -36                 | -33   | -30    | 8000V /2mA /60s |

### Continue

| Part Number  | Insertion Loss (dB Max) | Return Loss (dB Min)@Load 100Ω |       |       |          | DCMR (dB Min) |       |       |
|--------------|-------------------------|--------------------------------|-------|-------|----------|---------------|-------|-------|
|              |                         | 1-100MHz                       | 30MHz | 50MHz | 60-80MHz | 100MHz        | 30MHz | 60MHz |
| 24SH20416 HF | -2.1                    | -12                            | -9    | -8    | -7       | -38           | -34   | -30   |

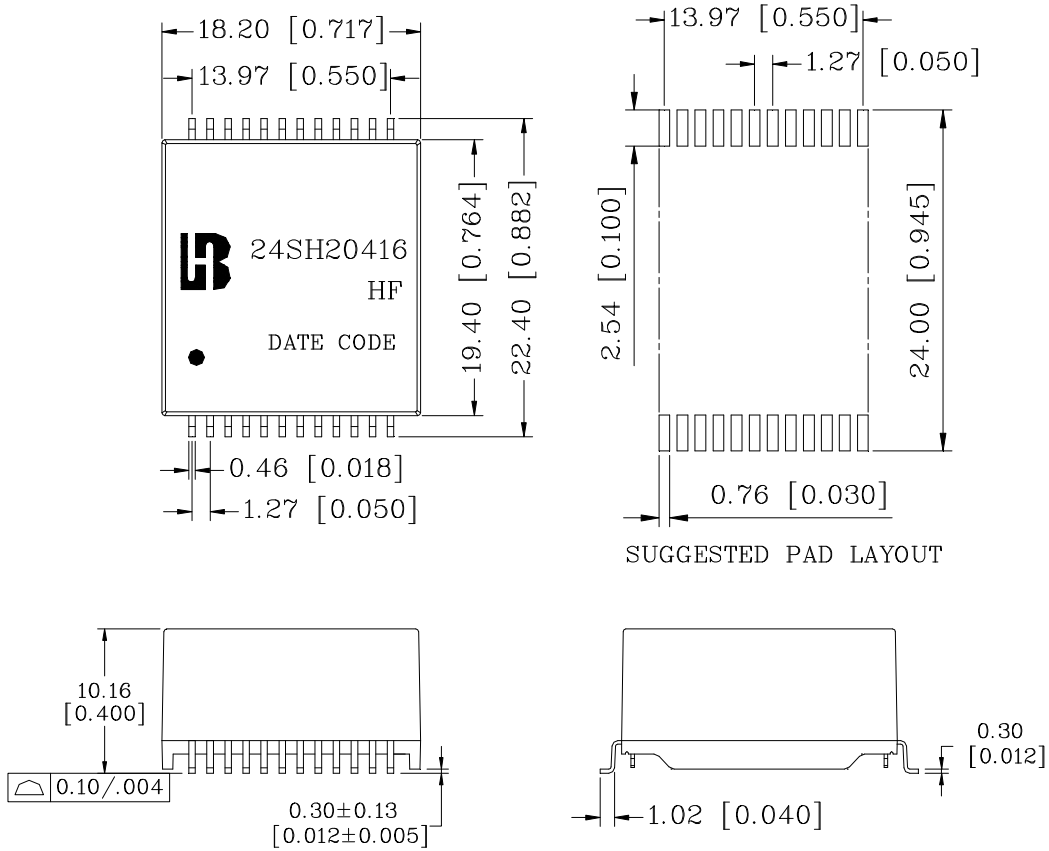
## Schematic



**1000 BASE -T MAGNETICS MODULES**  
**P/N: 24SH20416 HF DATA SHEET**



**Mechanical**



Units: mm[Inches] Tolerances: xx.x0±0.25[0.010]  
 0.xx±0.05[0.002]