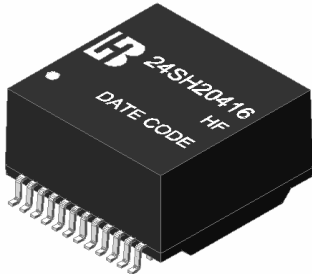


1000 BASE -T MAGNETICS MODULES

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.

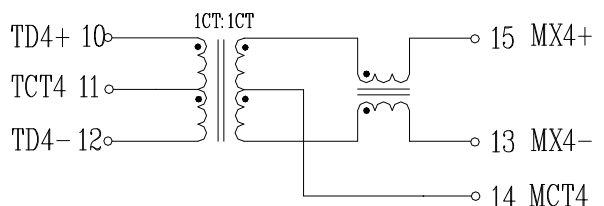
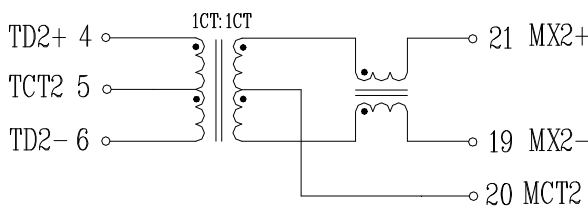
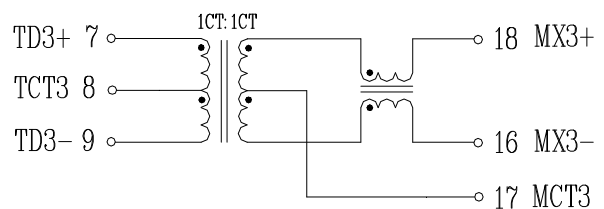
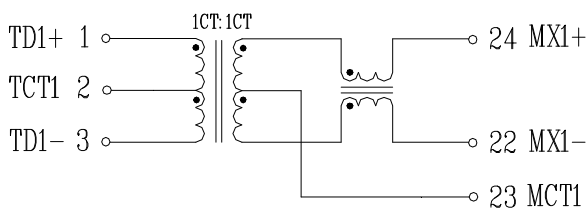
Electrical Specifications @ 25°C

| Part Number | Turns Ratio (±5%) | | OCL (uH Min) @100KHz/0.1V 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 |

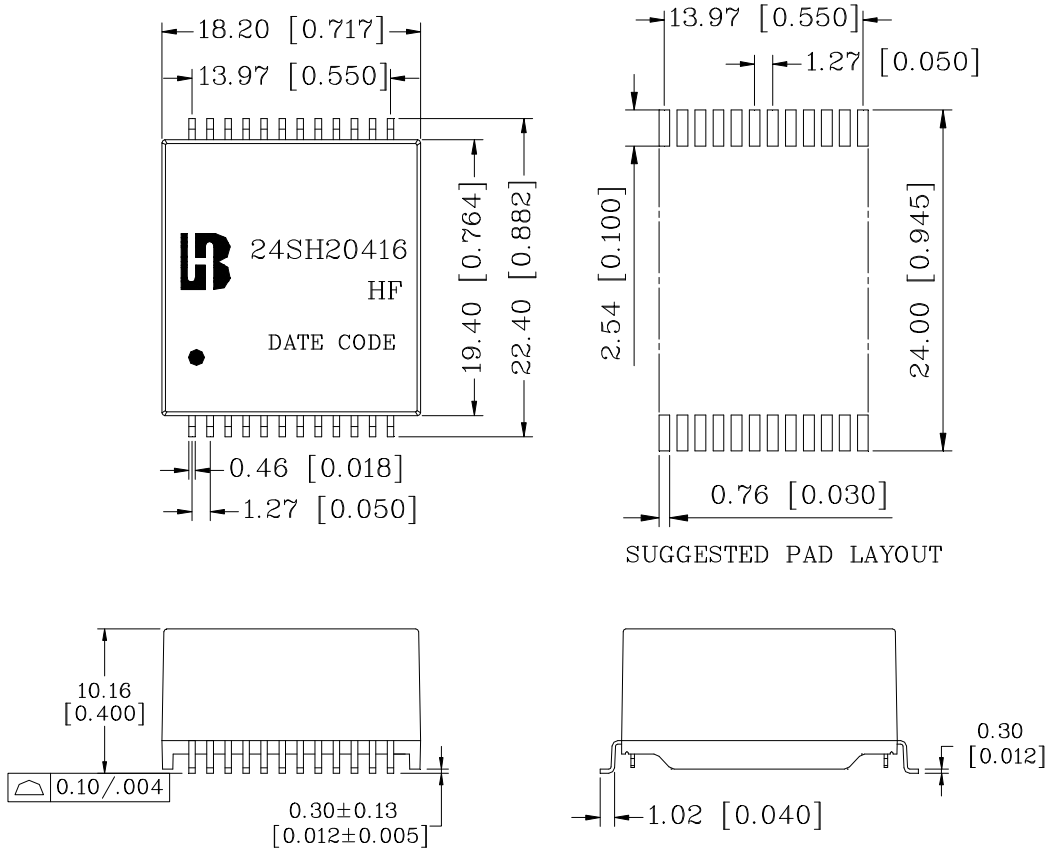
Schematic



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]