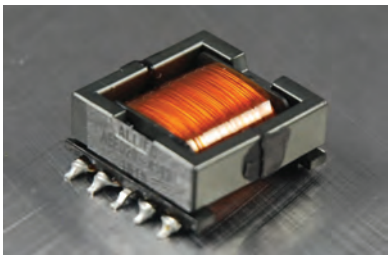
RoHS

# EFD20 Transformer

# AEFD20-4193



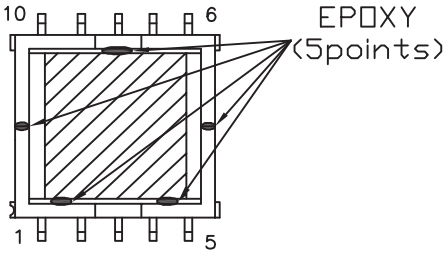
- **EFD20 Low Profile Power Transformer Design**
- **RoHS Compliant**
- **Operating Temperature range: -25ºC to +125ºC**

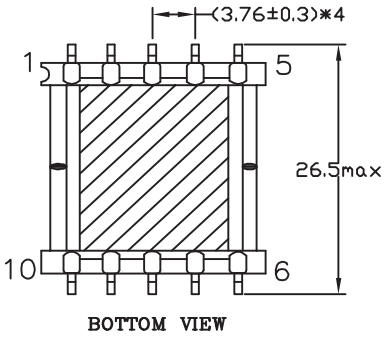
| Specifications @25℃ | | | | |
|---|---|---|---|---|
| S - F | Inductance<br>F = 10KHz, 1Vrms, 25ºC | DC-BIAS<br>F=10KHz, 1 Vrms<br>(short pin) | DCR<br>25ºC<br>(Max) | Turns Ratio |
| 1,2-4,5 | 8.2uH ±20% | LOA*75% min | 15 mOhm | 14Ts |
| 9-8 | - | | 1760 mOhm | 74Ts |
| 8-7 | - | | 550 mOhm | 21Ts |

| Specifications @25℃ | | | | | |
|---|---|---|---|---|---|
| Location<br>/<br>Desc. | PRI-PRI | PRI-SEC | WINDING-CORE | PRI-CORE | COIL-CORE |
| Hi-Pot<br>(50Hz/60Hz) | - | 100Vdc, 2mA, 60 sec | 100dc, 2mA, 60 sec | - | - |
| Insulation<br>Resistance | - | 500Vdc, 100mΩ min | 500Vdc, 100mΩ min | - | - |

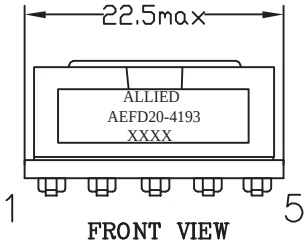
All specifications subject to change without notice.

## MECHANICAL

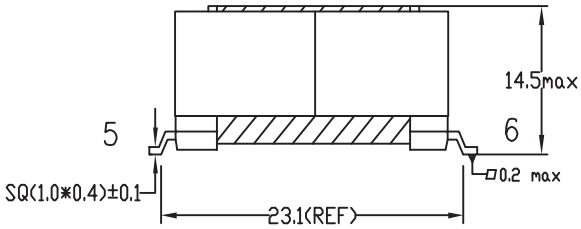



BOTTOM VIEW

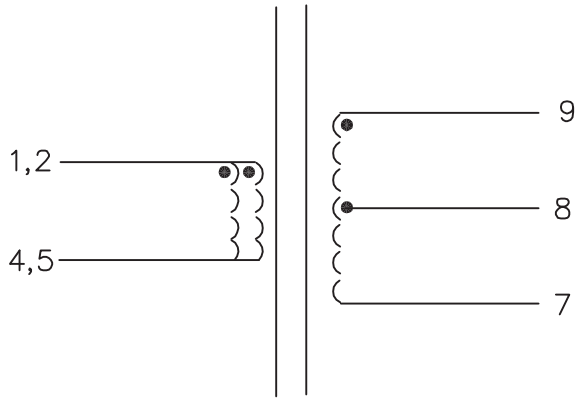



FRONT VIEW




NOTE: 1. GAP CORE TO PIN1~5 SIDE.

## SCHEMATIC




| WINDING ORDER | | S – F | WIRE SIZE | TURN | MARGIN TAPE | INSULATION TAPE | REMARK |
|---|---|---|---|---|---|---|---|
| #1 | N1 | 1 – 4 | ø0.45x2P(2UEWH) | 14Ts | – | 1.5 LAYERS (BROWN) | 4 WIRES |
| #2 | N2 | 2 – 5 | ø0.45x2P(2UEWH) | 14Ts | – | | |
| #3 | N3 | 9 – 8 | ø0.2(2UEWH) | 74Ts | – | 1 LAYER (BROWN) | 1 WIRE |
| #4 | N4 | 8 – 7 | ø0.2(2UEWH) | 21Ts | – | 3 LAYERS (BROWN) | 1 WIRE |

## CONSTRUCTION

