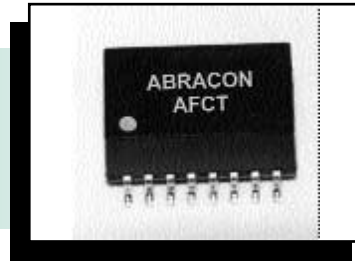


# FIBRE CHANNEL

# AFCT

## FC- PH3 Dual Gigabit Transformers



### FEATURES:

- Fast Rise Time
- Compliant with ANSI X3T9.5
- IEEE 802.3 Compliant

### OPTIONS:

- Tape & Reel is Standard
- Custom design available

### COMMON APPLICATION:

- Isolation and Coupling
- Giga - Bit Dual Transformer
- 75 Ω Coaxial, 150 Ω STP

### STANDARD SPECIFICATIONS

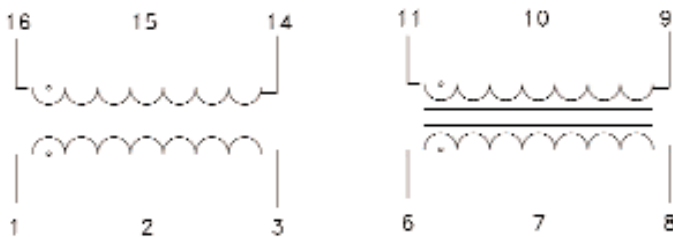
Part No.	Turns Ratio (± 2 %)	OCL (μH Min)	Rise Time (nS Max)	L <sub>L</sub> (μH Max)	DCR (Ω Max)	Hipot (VRMS)
AFCT-101	1 : 1	7.5	2.5	0.10	0.20	2000

Part No.	Turns Ratio (± 2 %)	OCL (μH Min)	Rise Time (nS Max)	Low Frequency Cut-off (3 dB)	L <sub>L</sub> (μH Max)	DCR (Ω Max)	Hipot (VRMS)
AFCT-102	1CT : 1CT	5.0	3.5	≤ 2.5 MHz	0.10	0.20	1500
AFCT-103	1 : 1	5.0	3.5	≤ 2.5 MHz	0.10	0.20	1500

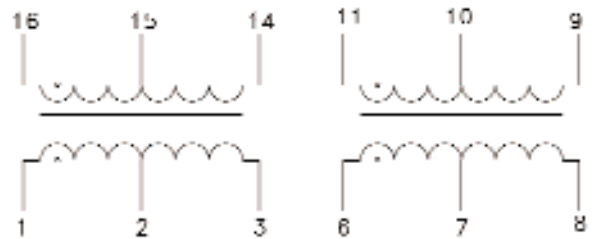
### SCHEMATIC:

AFCT - 101, 103



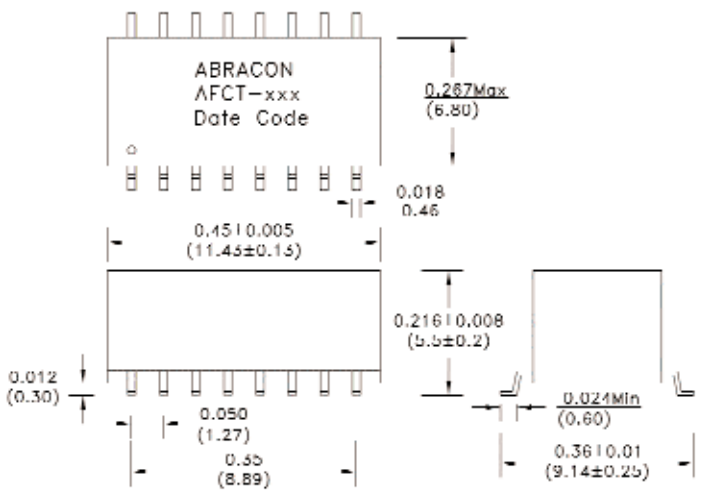
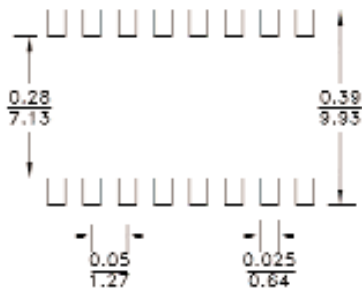
1:1 Dual Transformer

AFCT - 102



1CT :1CT Dual Transformer

### Recommended Pad Layout



Dimension : Inch/ mm

### TECHNICAL INFORMATION:

- Soldering methods: Wave, Reflow
  - Operating Temperature: 0°C to 70°C
  - Storage Temperature: -55°C to 125°C
- Note: All specifications subject to change without notice.

