

# T1 / E1 / ISDN PRI Quad T1/E1

8 Transformers per package

For T1/E1/ISDN PRI Telecom  
Dual and Quad Transceiver Applications  
1500 V<sub>RMS</sub> minimum Isolation  
40-Pin Surface Mount 50 mil style package

Electrical Specifications at 25°C

Part Number	Turns Ratio (± 5%)	OCL min. (mH)	PRI-SEC C <sub>www</sub> max. (pF)	L <sub>L</sub> max. (μH)	PRI. DCR max. (Ω)	SEC. DCRmax. (Ω)	Schematic Style
T-16100	1:1.36CT & 1:2CT	1.2	35	0.6	0.7	0.9	40-3
T-16101	1:2CT & 1:2CT	1.2	35	0.6	0.8	1.8	40-3
T-16102	1:1:1.26 & 1:2CT	1.2	35	0.6	0.8	0.8 / 1.8	40-2
T-16103	1:1.15 & 1:2CT	1.2	35	0.6	0.8	0.8 / 1.8	40-1
T-16104	1:1CT & 1:1CT	1.2	35	0.6	0.8	0.8	40-3
T-16105	1:2.4 & 1:1	1.0	35	0.5	0.8	1.8 / 0.8	40-6
T-16106	1:2CT & 1:1CT	1.2	35	0.6	0.8	1.8 / 0.8	40-2
T-16107	1CT:2CT & 1:1	1.2	35	0.6	0.7	0.9	40-8
T-16108	1:2CT & 1:1.36	1.2	35	0.6	0.8	1.8 / 0.8	40-7
T-16109	1:1.14CT & 1:2CT	1.2	35	0.6	0.7	0.9	40-3
T-16110	1:1.36 & 1:2CT	1.2	35	0.6	0.7	1.0	40-1
T-16111	1:1.36 & 1:1.36CT	1.2	35	0.4 / 0.5	0.7	1.0	40-1
T-16112	1:1.15 & 1:1.15	1.2	35	0.6	0.8	0.8 / 1.8	40-5
T-16113	1:1.14 & 1:1.14CT	1.2	35	0.6	0.8	0.8 / 1.8	40-1
T-16114	1:2 & 1:2CT	1.2	35	0.6	0.8	1.8	40-4
T-16115	1:2 & 1:2	1.2	35	0.6	0.8	1.8	40-5
T-16116	1CT:1.41 & 1CT:1.41	1.2	35	0.6	0.8	1.8	40-3
T-16117	1:2CT & 1CT:2	1.2	35	0.6	0.7 / 1.0	1.0 / 0.7	40-3

ET-Product of 10 V-μsec min.

OCL Measured across Primary  
@ 100 kHz & 100mV.

Designed to comply with UL1950  
& EN 60950.

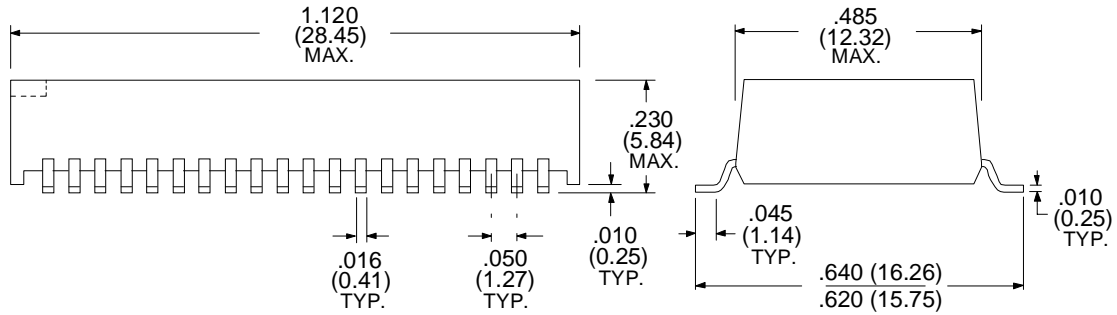
Crosstalk: 65 dB Min.

Operating Temp Range:  
-40°C to +85°C

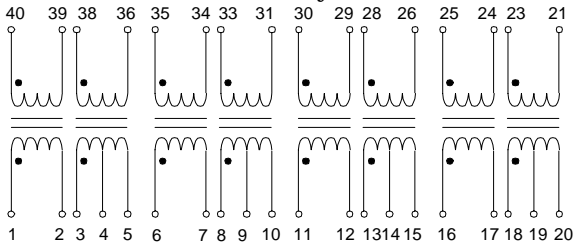
*Available on  
Tape & Reel*

P/N	Primary Pins
T-16100	24-25, 29-30, 34-35, 39-40 / 4-5, 9-10, 14-15, 19-20
T-16101	4-5, 9-10, 14-15, 19-20 / 24-25, 29-30, 34-35, 39-40
T-16102	1-2, 6-7, 11-12, 16-17 / 21-22, 26-27, 31-32, 36-37
T-16103	1-2, 6-7, 11-12, 16-17 / 21-23, 26-28, 31-33, 36-38
T-16104	4-5, 9-10, 14-15, 19-20 / 24-25, 29-30, 34-35, 39-40
T-16105	1-2, 8-9, 11-12, 18-19 / 24-25, 27-28, 34-35, 37-38
T-16106	1-2, 6-7, 11-12, 16-17 / 21-22, 26-27, 31-32, 36-37
T-16107	1-3, 6-8, 11-13, 16-18 / 21-22, 26-27, 31-32, 36-37
T-16108	24-25, 29-30, 34-35, 39-40 / 4-5, 9-10, 14-15, 19-20
T-16109	24-25, 29-30, 34-35, 39-40 / 4-5, 9-10, 14-15, 19-20
T-16110	1-2, 6-7, 11-12, 16-17 / 38-36, 33-31, 28-26, 23-21
T-16111	1-2, 6-7, 11-12, 16-17 / 38-36, 33-31, 28-26, 23-21
T-16112	1-3, 6-8, 11-13, 16-18 / 4-5, 9-10, 14-15, 19-20
T-16113	1-2, 6-7, 11-12, 16-17 / 38-36, 33-31, 28-26, 23-21
T-16114	1-2, 9-10, 11-12, 19-20 / 23-25, 26-28, 33-35, 36-38
T-16115	1-3, 6-8, 11-13, 16-18 / 4-5, 9-10, 14-15, 19-20
T-16116	1-3, 6-8, 11-13, 16-18 / 21-23, 26-28, 31-33, 36-38
T-16117	4-5, 9-10, 14-15, 19-20 / 1-3, 6-8, 11-13, 16-18

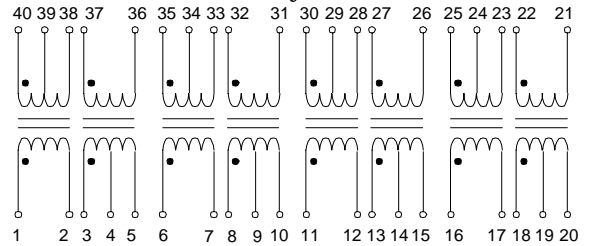
40-Pin 50 mil SMD Package Physical Dimensions in inches (mm)



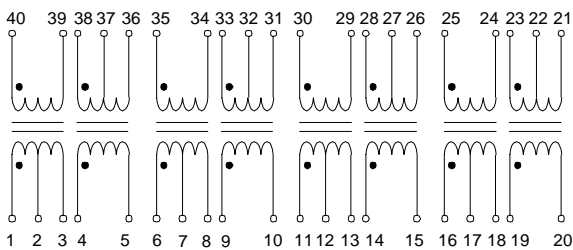
Schematic Style "40-1"



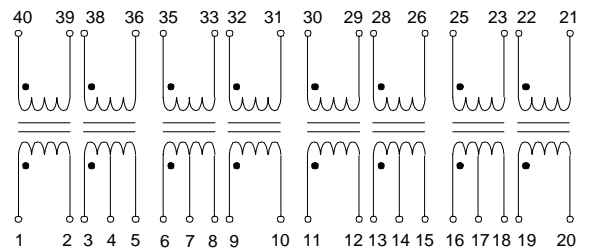
Schematic Style "40-2"



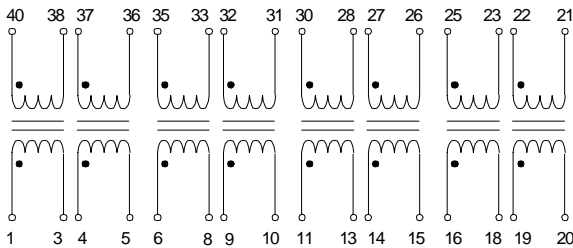
Schematic Style "40-3"



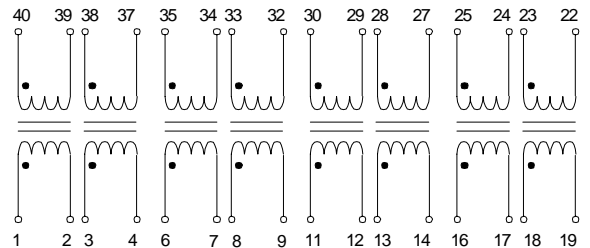
Schematic Style "40-4"



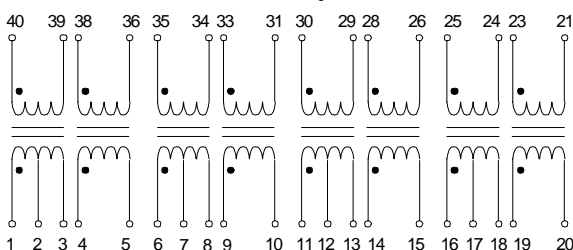
Schematic Style "40-5"



Schematic Style "40-6"



Schematic Style "40-7"



Schematic Style "40-8"

