

T3/DS3/E3/STS-1 Transformers:

Developed for use in T3,DS3,E3 and STS-1 interface.

Return loss meets requirements of G.703.

Fast rise time compatible with standards.

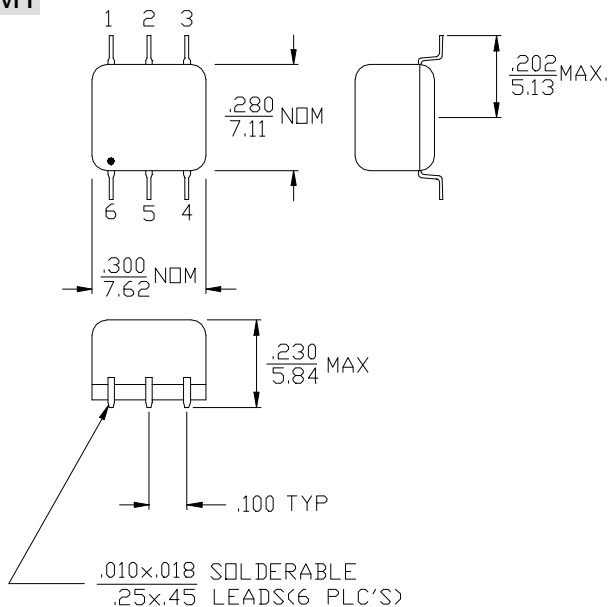
Models with 1500Vrms isolation and 3000Vrms reinforced insulation per BAPT EN41003/EN60950.

ELECTRICAL SPECIFICATIONS at 25°C:

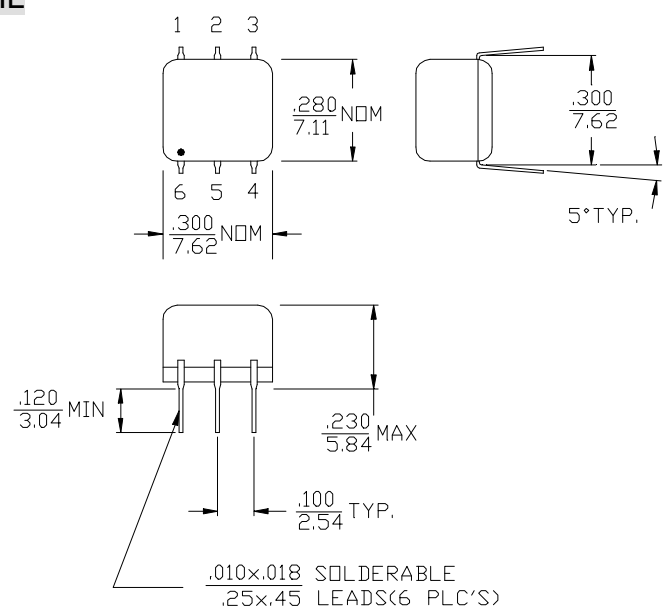
Part No.	Turns Ratio (±2%)	OCL Primary (uH MIN)	OCL at -40°C (uH MIN)	L _L (uH MAX)	Cw/w (PF MAX)	Bandwidth 75Ω System (MHz TYP)	Isolation Voltage (Vrms MIN)	Package/ Schematic	Primary Pins
UT23661	1:2CT	35	20	.12	10	—	1500	SMT/B	2-6
UT23662	1:1	45	30	.12	13	—	1500	SMT/A	2-6
UT23856	1:1.73CT	50	—	.10	12	.060-300	1500	DIL/C	4-6
UT23666	1:1	40	—	.10	10	.200-340	1500	DIL/E	4-6
UT23967	1:1	40	—	.10	10	.200-340	1500	SMT/E	4-6
UT23968	1:2CT	19	—	.06	10	.250-500	1500	SMT/C	4-6
UT23969	1:2CT	19	—	.06	10	.250-500	1500	DIL/C	4-6
UT23629	1:1	40	—	.10	5	—	3000	THT/F	1-5
UT23630	1:2CT	19	—	.06	10	—	3000	THT/D	1-5

MECHANICALS

SMT



DIL



DATA SHEET 03-23 AUG./98
1 OF 2



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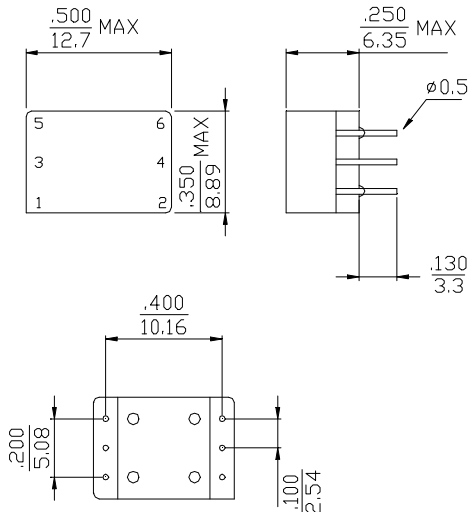
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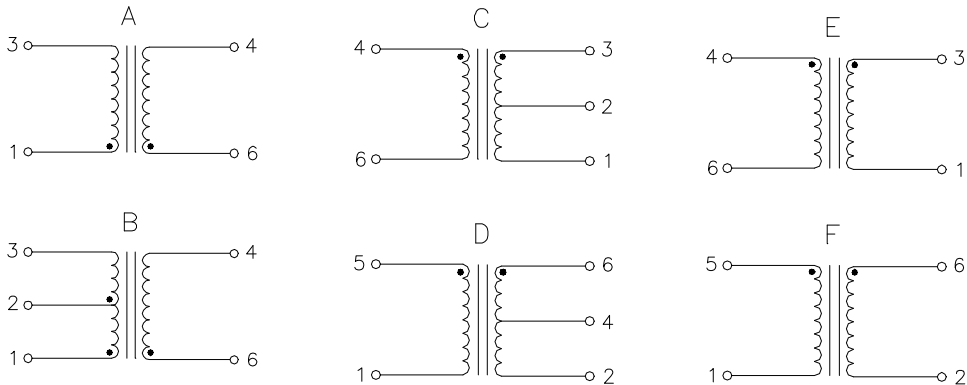
T3/DS3/E3/STS-1 Transformers:

THT



Dimensions: $\frac{\text{inches}}{\text{mm}}$
 Tolerances: $\pm \frac{.010}{0.25}$

SCHEMATICS



Transformer Selection Guide

Chip Manufacturer	Surface Mount		Through Hole (1500 Vrms)		Through Hole (3000 Vrms)		
	Transmit	Receive	Transmit	Receive	Transmit	Receive	
AT&T/Lucent T7296	UT23967		UT23666		UT23629		
Exar XR-T7296	UT23967		UT23666		UT23629		
Ilicon Systems	SSI 78P236,DS3	UT23968	UT23967	UT23969	UT23666	UT23630	UT23629
	SSI 78P7200,DS3	UT23968	UT23967	UT23969	UT23666	UT23630	UT23629
	SSI 78P7200,E3	UT23968	UT23968	UT23969	UT23669	UT23630	UT23630
	SSI 78P2361,STS-1	UT23968	UT23967	UT23969	UT23666	UT23630	UT23629
	SSI 78P2362,E3	UT23968	UT23967	UT23969	UT23666	UT23630	UT23629
Transwitch	MRT TXC-02050 ^{*)} ,E3	UT23968	UT23967	UT23969	UT23666	UT23630	UT23629
	ART 02020 DS3,STS-1	UT23967	UT23967	UT23666	UT23666	UT23629	UT23629

*) The Transwitch MRT TXC-02050 chip is also designed to operate in 6.312 and 8.448 Mbps interfaces. A 1:1 transformer UT23934 is recommended.

DATA SHEET 03-23 AUG./98 page 2/2



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