

- ISDN U<sub>KO</sub>-INTERFACE TRANSFORMER:

**ELECTRICAL SPECIFICATION @25°C**

UMEC PART NO.	Turns Ratio (Line:Chip (±2%))	Line Side Pins	Line Side Inductance (mH)	DC BIAS (mA max)	Leakage Inductance (uH)	Coupling capacitance (pF)	DCR Line Side (Ω)	DCR Chip Side (Ω)	Isolation VAC	Package & Schematic
UT20583	1.5:1	(4-2)	28.0 ± 5%	60			20.0 max	3.0 max.	2000	POT 23*11/C
UT20628	1.25:1	(1-5)	28.0 ± 5%	80			12.0 max	7.0 max.	2000	POT 23*11/C
UT20628A	1.25:1	(1-5)	28.0 ± 5%	80			12.0 max	9.0 max.	2000	POT 23*18/B
UT20631	1.5:1	(4-2)	27.0 ± 5%	60			20.0 max	3.0 max.	2500	POT 23*11/C
UT21001	1.25:1	(8-6)	27.0 ± 8%	90	150 max.	150 max.	6.0 nom.	3.9 nom.	2000	RM8/F
UT21901	1.6:1	(2-5)	14.5 ±10%	50	71 max.	150 max.	5.6 ±15%	4.1 ±15%	500	RM6/H
UT21902	1.32:1	(2-5)	5.5 ±10%	50	22 max.	125 max.	3.3 ±15%	2.85 ±15%	500	RM6/H
UT21903	1.25:1	(1-4)	28.0 ± 5%	50	120 max.	80 max.	12.0 max	9.0 max.	2000	RM6/G
UT21904	1.32:1	(5-8)	7.6 ± 8%	55	50 max.	75 max.	2.4 max.	2.7 max.	2000	RM6/G
UT21905	1.25:1	(1-11)	28.0 ± 5%	80	60 max.		10.0 max	5.0 max.	2000	RM8/F
UT21906	1.6:1	(1-4)	13.3 ±10%	60	45 max.	70 max.	5.0 max.	5.0 max.	2000	RM6/G
UT21907	1.32:1	(1-4)	7.7 ±10%	60	40 max.	45 max.	3.8 max.	3.8 max.	2000	RM6/G
UT21910	1.6:1	(8-11)	14.5 ±10%	60	90 max.	100 max.	2.7 max.	2.8 max.	2500	RM8/E
UT21911	1.5:1	(1-4)	27.0 ±10%	40	150 max.	150 max.	14.8 max	11.1 max	2500	RM6/G
UT21913	1.5:1	(1-4)	27.0 ± 5%	60			20.0 max.	3.0 max.	2000	RM6/G
UT21917	1.5:1	(2-5)	27.0 ±10%	90	150 max.	350 max.	18.0 max.	7.5 max.	3750	RM8/E
UT21921	1.5:1	(9-7)	81.5 ± 5%	30	100-172		10.3 nom.	21.3nom.	1500	POT 23*11/C
UT21921A	1.5:1	(9-7)	81.5 ± 5%	30	100-172		6.81 ±15%	12.3±15%	1500	POT 23*18/B
UT21924	1.5:1	(2-12)	80.0 ±10%	80	160 max.		13.8 max.	11.8max.	2000	RM8/F
UT21928	1.5:1	(1-5)	81.5 ± 5%	30	180 max.	250 max.	12.3 15.2	9.2-11.3	4000	EP20/D
UT21942	1.32:1	(8-6)	14.5 ±10%	60	55 max.	60 max.	1.8 nom.	2.8 nom.	2000	RM8/F
UT21945	1.32:1	(8-6)	7.9 ±10%	60	50 max.	75 max.	1.3 nom.	1.9 nom.	2000	RM8/F
UT21954	1.6:1	(8-6)	14.5 ±10%	60	90 max.	100 max.	2.7 nom.	2.8 nom.	2000	RM8/F
UT21958	1.6:1	(8-6)	14.5 ±10%	60	100 max.	90 max.	2.7 nom.	2.8 nom.	2500	RM8/F
UT21959	1.5:1	(8-6)	27.0 ±10%	90	150 max.	150 max.	6.0 nom.	3.9 nom.	2000	RM8/F
UT21960	2:1	(1-11)	27.0 ± 5%	80	150 max.	180 max.	6.2 nom.	2.7 nom.	2000	RM8/F
UT21961	2.5:1	(8-6)	14.5 ±10%	60	100 max.	100 max.	2.7 nom.	1.8 nom.	2000	RM8/F
UT21963	1.6:1	(1-4)	13.3 ±10%	60	70 max.	90 max.	4.9 nom.	4.8 nom.	2000	RM6/G
UT21972	1.32:1	(1-4)	6.9 ±10%	60	70 max.	65 max.	4.5 nom.	3.4 nom.	2000	RM6/G
UT20575/ UT35473	1.65:1	(1-4)	15.5 ±16%	50	75 max.		5.0 max.	3.0 max.	2000	POT 18*11/A

Inductance : the inductance of windings on line side in series ( at 10KHz 100mV ).

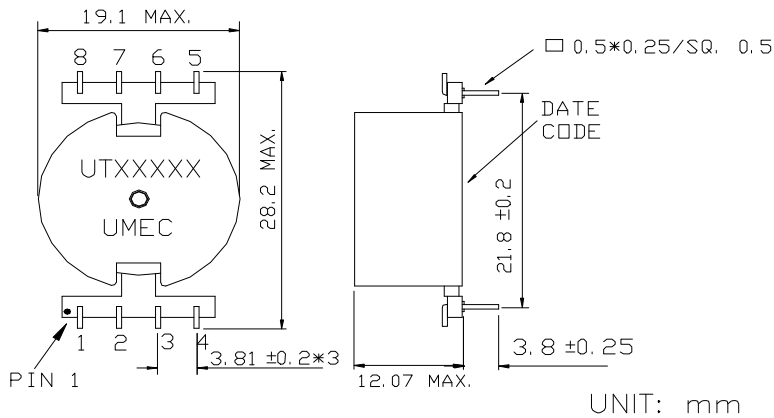
Coupling capacitance : the coupling capacitance between of windings on line side and the windings on chip side ( at 10KHz 100mV ).

Leakage inductance : the leakage inductance of windings on line side with windings on chip side shorted ( at 100KHz 100mV ).

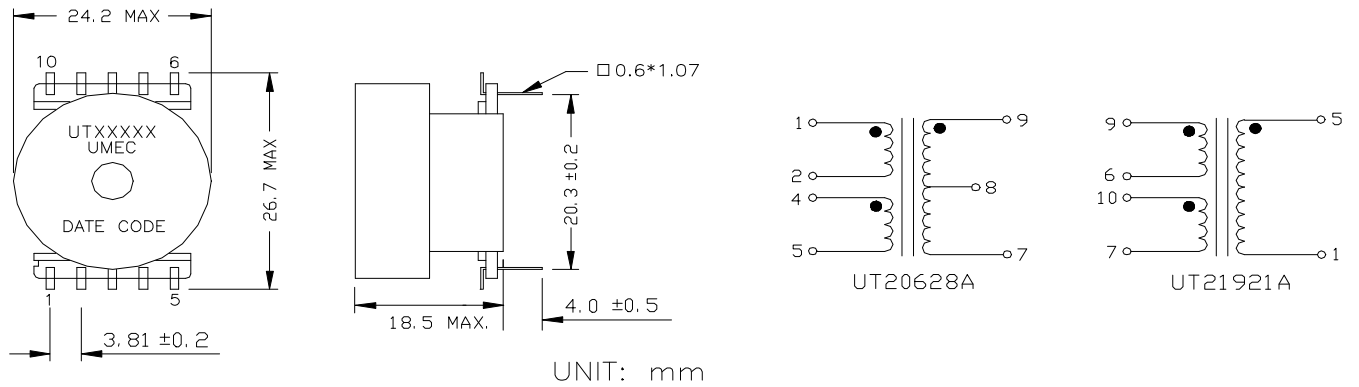


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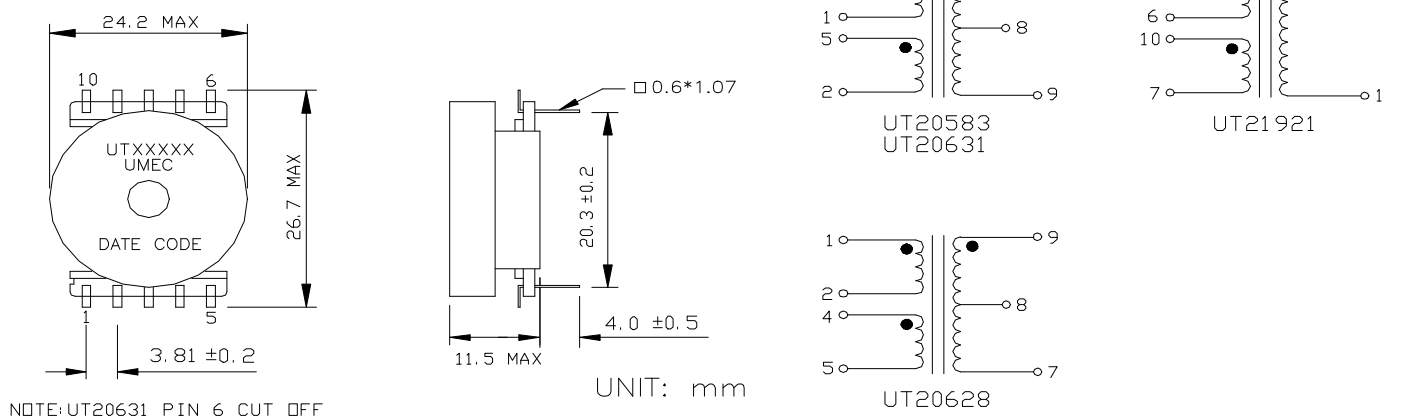
A POT 18\*11

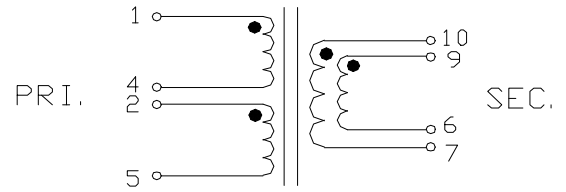
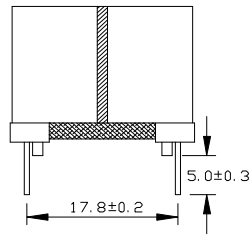
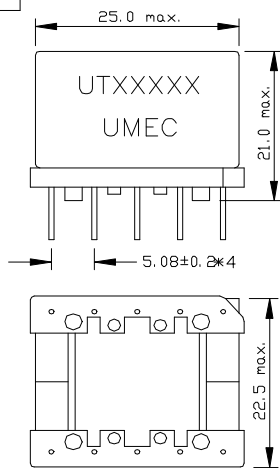


B POT 23\*18

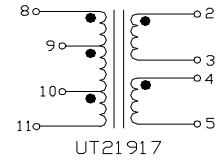
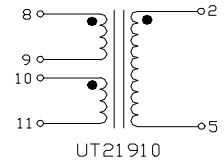
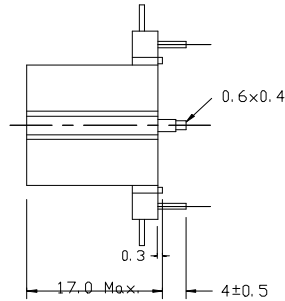
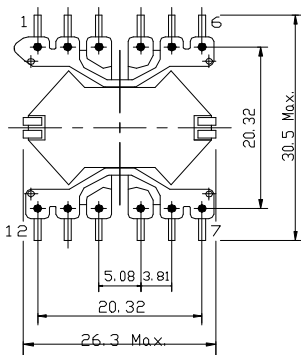


C POT 23\*11

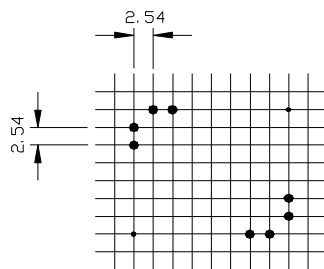
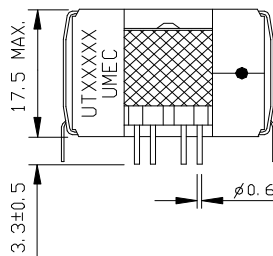
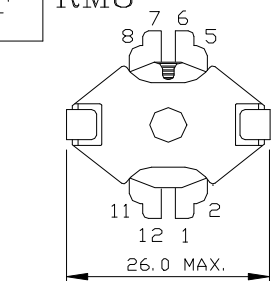


**D****EP20**

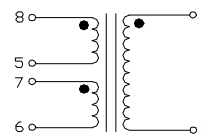
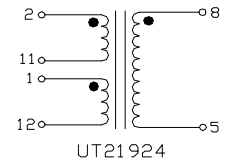
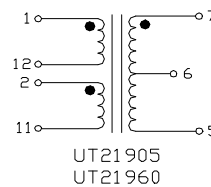
UNIT: mm

**E****RM8 DUAL**

UNIT: mm

**F****RM8**

UNIT: mm

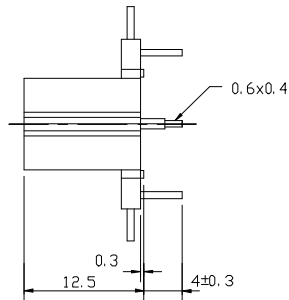
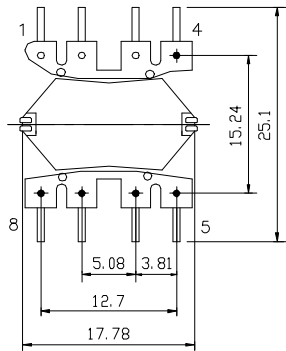


UT21001  
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 UT21945  
 UT21954  
 UT21958  
 UT21959  
 UT21961

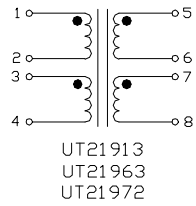
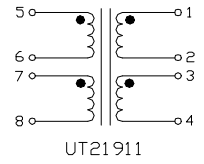
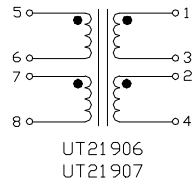
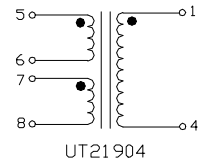
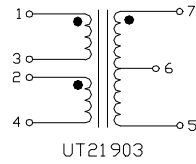


G

RM6 DUAL

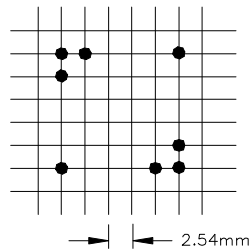
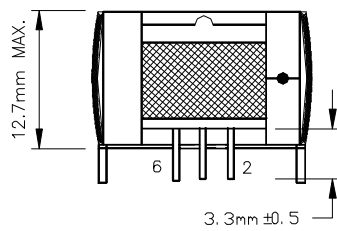
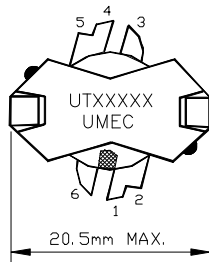


UNIT: mm



H

RM6



UNIT: mm

