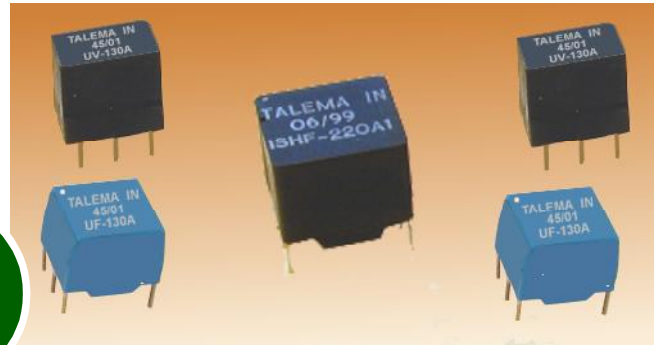




ISDN • U_{KO} THT Single Interface Transformer

Features

- compatibility with common transceiver IC's ensures maximum loop length
- complies with ANSI standard T1.601 when used with recommended chip
- compact sizes in through-hole packages
- all materials approved to UL94V-0
- manufactured in an ISO-9001:2000, TS-16949:2002 and ISO-14001:2004 certified Talema facility
- operating temperature: -40°C to +85°C
- fully RoHS compliant



Electrical Specifications @ 25°C

Turns Ratio: **Bold** = IC Side Windings

U_{KO} Interface Transformers Complies with Basic Insulation Level EN60950, UL1950 and UL1459

Part Number	Turns Ratio ±1%	L _P (mH Min)	I _{DC} (mA)	L _L (μH)	C _C (pF Max)	DCR (Ohms per winding)		V _P (Vrms)	Schematic
						Pri	Sec		
UKF-100	0.8:0.8:1	12.6 - 15.4	60	20	200	9.0	5.1	2000	2
UKF-105	0.8:0.8:1	12.6 - 15.4	60	20	200	9.0	5.1	2000	3
UKF-110	2:1	10.8 - 13.8	60	2	55	1.3	0.7	2000	1
UKF-120	0.66:0.66:1	4.5 - 5.9	60	10	150	5.2	4.0	2000	3
UKV-210	1:1: 1.25	11.3 - 15.1	60	30	120	12	7.5	2000	3
UKV-220	0.66:0.66:1	4.5 - 5.9	60	15	150	5.2	4.0	2000	3
UKH-320	0.66:0.66:1	4.5 - 5.9	60	50	20	7.6	4.0	3000	4

Test Conditions:

Inductance: Line side windings in series - measurement @ 10kHz, 100mVrms

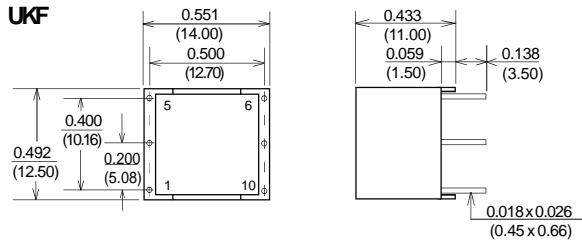
Leakage Inductance: Line side windings in series, IC side windings short circuited - measurement @ 100kHz, 100mVrms

Coupling Capacitance: IC side winding to Line side windings in parallel @ 10kHz, 100mVrms

Test Voltage: 2.0kV for 2 Sec. = line side windings in series to IC winding

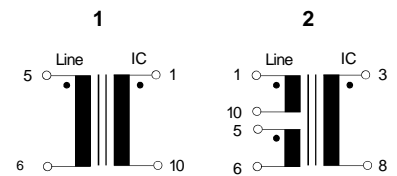
0.5kV for 2 Sec. - line side winding to line side winding

UKF

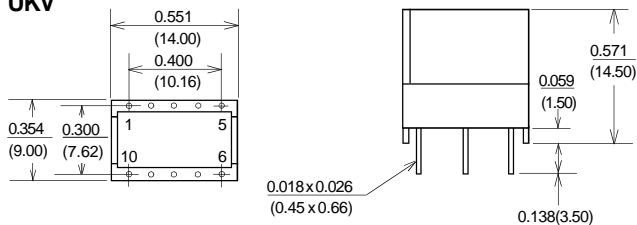


TALEMMAIN
WK/YR
UKF-100

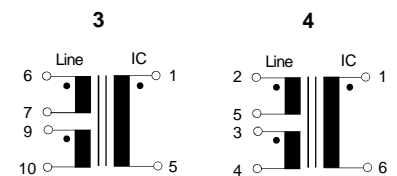
Schematic



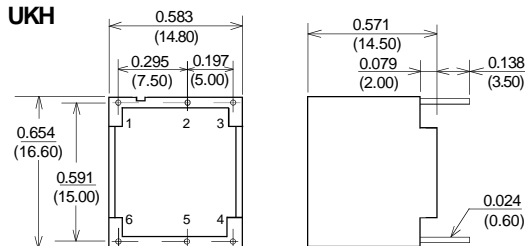
UKV



TALEMMAIN
WK/YR
UKV-210



UKH



TALEMMAIN
WK/YR
UKH-320

Dimensions: Inches (Millimeters)
Tolerance: ±0.010 (0.25) unless specified otherwise