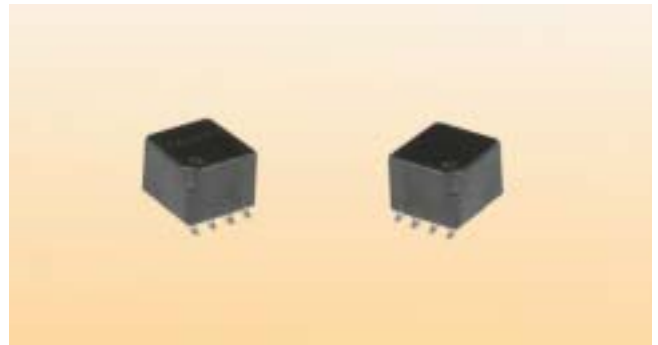


### Features

- designed for optimum compatability with all established interface IC's
- excellent and consistent balance between windings
- compact sizes in through-hole and surface mount packages
- complies fully with all international standards for U-Interface
- manufactured in ISO-9001 approved TALEMA facility
- operating temperature -40° to +85°C



### Electrical Specifications @ 25°C

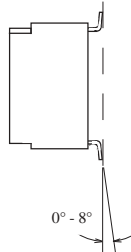
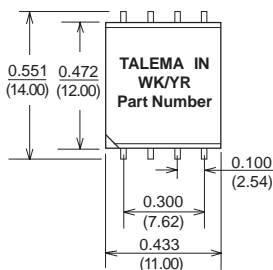
Turns Ratio: **Bold** = IC Side Windings

U <sub>PO</sub> Interface Transformer								
Complies with Basic Insulation Level EN6-950, UL1950 and UL1459								
Part Number	Turns Ratio ±2%	L <sub>P</sub> (mH Min)	I <sub>DC</sub> (mA)	L <sub>L</sub> (µH)	C <sub>C</sub> (pF Max)	DCR (Ohms per winding)		V <sub>P</sub> (Vrms)
						Pri	Sec	
UMJ-190S	1:1:1:1	1.7	75	10	180	0.8	0.8	1500
UMJ-192S	1:1: <b>1,25</b> :1, <b>25</b>	1.7	75	5	140	0.5	1.0	1500
UMJ-195S	1:1: <b>2</b> : <b>2</b>	1.7	75	10	180	0.8	1.6	1500

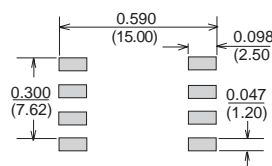
### Test Conditions:

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 windings in series to Line side windings in series @ 10kHz, 100mVrms  
 Test Voltage: 1,5kV - Line side winding in series to IC side winding in series

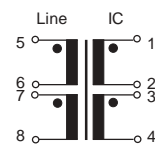
### Dimensions & Schematic



#### Suggested Pad Layout



#### Schematic



Surface Coplanarity will be 0.004(0.10) maximum

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

## Design and Manufacturing Facilities

<http://www.talema-nuvotem.com>

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