



ISDN S₀ Miniature SMD Interface Modules

Features

- excellent output characteristics ensures compliance with CCITT.I.430 pulse waveform template when used with recommended IC pairing
- SMD modules are designed for pick and place compatability
- excellent and consistent balance between windings
- modular design maximizes suppression effectivity and transmission properties
- operating temperature: 0 to 85°C



Electrical Specifications @ 25°C

Turns Ratio: **Bold** = IC side windings

Miniature Chip SMD Modules comply with Basic Insulation Level EN60950, UL1950 and UL1459

Part Number	L _P (mH Min)	Turns Ratio	L _L (μH Max)	C _C (pF Max)	R _{CU} P (Ohms)	R _{CU} S (Ohms)	V _P (Vrms)	Schematic
Transformer Module without Choke								
MUJ-100A-000	25	1:1:1:1	5	50	2.1	2.1	1500	A
MUJ-103A-000	25	1:1: 2:2	5	50	2.8	6.1	1500	A
MUJ-105A-000	25	1:1: 2.5:2.5	5	50	3.3	9.8	1500	A
Transformer Module with Choke								
MUJ-100A or B-XXX	25	1:1:1:1	5	50	2.7	3.3	1500	A or B
MUJ-103A or B-XXX	25	1:1: 2:2	5	50	3.7	8.4	1500	A or B
MUJ-105A or B-XXX	25	1:1: 2.5:2.5	5	50	5.2	10.5	1500	A or B
Common Mode Choke								
Basic P/N + Suffix	L _N (μH)	R _{CU} (Ohms)	Basic P/N + Suffix	R _{CU} (Ohms)	Basic P/N + Suffix	R _{CU} (Ohms)		
MUJ-100A or B-500	50	0.4	MUJ-103A or B-500	0.5	MUJ-105A or B-500	0.7		
MUJ-100A or B-101	100	0.5	MUJ-103A or B-101	0.6	MUJ-105A or B-101	0.9		
MUJ-100A or B-501	500	0.4	MUJ-103A or B-501	0.6	MUJ-105A or B-501	0.8		
MUJ-100A or B-502	5000	0.8	MUJ-103A or B-502	0.9	MUJ-105A or B-502	1.5		

Test Conditions:

Polarity and Turns Ratio: ±1%

Inductance (L_o): 25mH minimum, line side windings in series @ 10kHz, 100mV

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

Coupling capacitance: IC side windings in series to Line side windings in series @10kHz, 100mV

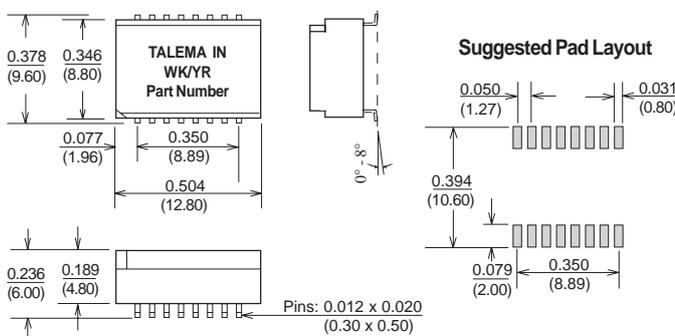
Common Mode Choke Inductance: 100kHz, 20mV

Test Voltage: 1.5kV for 2 Sec. - Line side windings in series to IC side windings in series

Coplanarity: ±0.004 (0.10mm)

Standard Packaging: Tape and Reel

MUJ Miniature Module

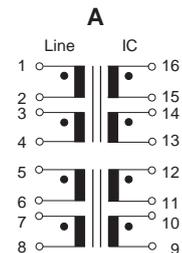


Surface Coplanarity will be 0.004 (0.10)

Dimensions: Inches (Millimeters)

Tolerance: ±0.010 (0.25) unless specified otherwise

Schematic - No Choke



Schematic - With Choke

