



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

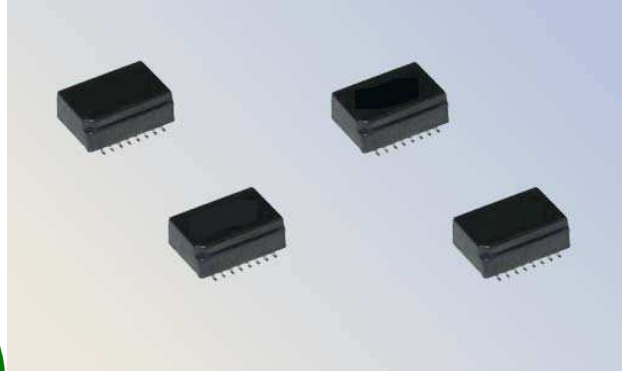
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



ISDN S₀ Miniature SMD Interface Modules

Features

- excellent output characteristics ensure compliance with CCITT.I.430 pulse waveform template when used with recommended IC pairing
- SMD modules are designed for pick and place compatibility
- excellent and consistent balance between windings
- modular design maximizes suppression effectivity and transmission properties
- full compatibility with all common IC's
- manufactured in ISO-9001:2000, TS-16949:2002 and ISO-14001:2001 certified facility
- fully RoHS compliant and meets lead free reflow level J-STD-020C
- operating temperature: -40° to 85°C
- storage temperature: -40 to +125°C



Electrical Specifications @ 25°C

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

Miniature Chip SMD Modules comply with Functional 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
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-000	No Choke		MUJ-103A -000	No Choke	MUJ-105A-000	No Choke
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: 25mH minimum, line side windings in series @ 10kHz, 100mV

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

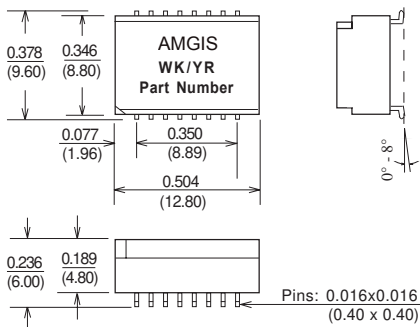
Coupling capacitance: IC side windings in series to Line side windings in series @ 10kHz, 100mV

Common Mode Choke Inductance: 100kHz, 20mV

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

Standard Packaging: Tape and Reel

MUJ Miniature Module

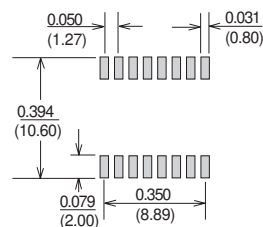


Surface Coplanarity will be 0.004 (0.10)

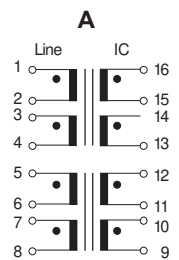
Dimensions: Inches (Millimeters)

Tolerance: ±0.010 (0.25) unless specified otherwise

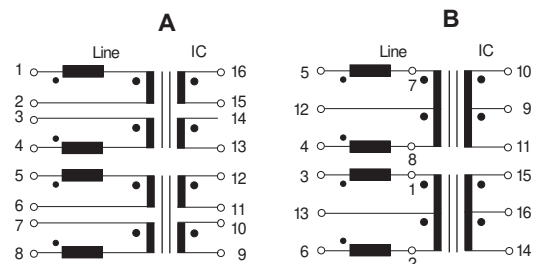
Suggested Pad Layout



Schematic (Without Choke)



Schematics - With Choke



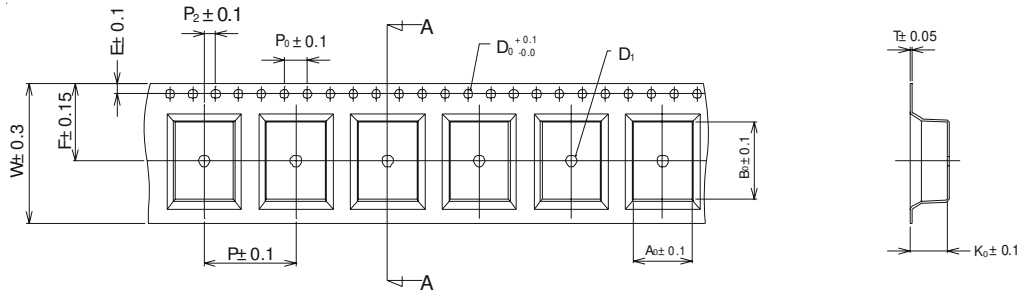
AMGIS, LLC * 10899 Kinghurst St. Ste. 220 Houston, TX 77099

Phone: 832-775-1319 * Fax: 281-933-9067* email: sales@amgistoroids.com

Toll Free: 877-762-6447 * www.amgistoroids.com

Packing and Dimensions

Dimensions for carrier tape (Unit : mm)



Dimensions are in mm

Type	Dimensions in mm												Reel Size	Quantity (Pcs/Reel)	Quantity (Reel/Cased)
	W	F	E	P ₂	P ₀	D ₀	D ₁	P	A ₀	B ₀	T	K ₀			
MUJ	24.00	11.50	1.75	2.00	4.00	∅1.50	∅1.50	16.00	10.20	13.55	0.35	6.55	330x24	600	5/3000

Instruction for Tape & Reel Packing

