

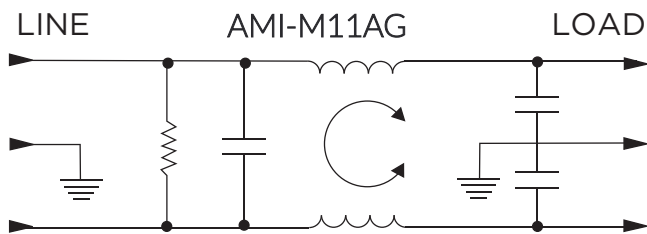
## Features

- General purpose filtering
- Choice of Earth Leakage
- Rated up to 20A
- Choice of termination

## Applications

- Electrical and Electronic equipment
- Consumer goods
- Home appliances
- Office equipment

## Typical Circuit Diagram



## Approvals & Compliances



## Technical Specifications

Maximum Continuous Operating Voltage	250 VAC Max
Operating Frequency	50/60Hz
Rated Current	1 to 20A @40°C
Temperature range	-10°C to +40°C
High Potential Test Voltage	Line to Ground: 2250 VDC Line to Line: 1450 VDC

## Selection Table

AMI Designation	Input/output Style				Current Rating	Inductance	Capacitance		Resistor	Leakage Current@ 120VAC 60Hz/250 VAC 50 Hz	TIL Insertion Loss	Case Style
	6.3mm Spade Terminals		Wire Leads	PCBA			mH	Cx				
	Back	Bottom				nF ±20%		pF ±20%	mA			
AMI-M11AG-1-1-B	1				1	10.0	100	3000	1500	0.22/0.38	001	A
AMI-M11AG-1-1	1				1	10.0	100	-	1500	0	-	A
AMI-M11AG-1A-1-B		1A			1	10.0	100	3000	1500	0.22/0.38	001	B
AMI-M11AG-1A-1		1A			1	10.0	100	-	1500	0	-	B
AMI-M11AG-13-1-B				13	1	10.0	100	3000	1500	0.22/0.38	001	C
AMI-M11AG-13-1				13	1	10.0	100	-	1500	0	-	C
AMI-M11AG-8-1-B				8	1	10.0	100	3000	1500	0.22/0.38	001	E
AMI-M11AG-8-1				8	1	10.0	100	-	1500	0	-	E
AMI-M11AG-1S-1-B	1S				1	10.0	100	3000	1500	0.22/0.38	001	D
AMI-M11AG-1S-1	1S				1	10.0	100	-	1500	0	-	D
AMI-M11AG-8S-1-B				8S	1	10.0	100	3000	1500	0.22/0.38	001	F
AMI-M11AG-8S-1				8S	1	10.0	100	-	1500	0	-	F
AMI-M11AG-1-1-A	1				1	10	100	100	1500	0.01/0.017	001	A
AMI-M11AG-1-1	1				1	10	100	-	1500	0	-	A
AMI-M11AG-1S-1-A	1S				1	10	100	100	1500	0.01/0.017	001	D
AMI-M11AG-1S-1	1S				1	10	100	-	1500	0	-	D
AMI-M11AG-8-1-A				8	1	10	100	100	1500	0.01/0.017	001	E
AMI-M11AG-8-1				8	1	10	100	-	1500	0	-	E
AMI-M11AG-8S-1-A				8S	1	10	100	100	1500	0.01/0.017	001	F
AMI-M11AG-8S-1				8S	1	10	100	-	1500	0	-	F
AMI-M11AG-1-3-B	1				3	1.45	100	3000	1500	0.22/0.38	002	A
AMI-M11AG-1-3	1				3	1.45	100	-	1500	0	-	A
AMI-M11AG-1A-3-B		1A		1	3	1.45	100	3000	1500	0.22/0.38	002	B
AMI-M11AG-1A-3		1A		1	3	1.45	100	-	1500	0	-	B
AMI-M11AG-13-3-B				13	3	1.45	100	3000	1500	0.22/0.38	002	C
AMI-M11AG-13-3				13	3	1.45	100	-	1500	0	-	C
AMI-M11AG-8-3-B				8	3	1.45	100	3000	1500	0.22/0.38	002	E
AMI-M11AG-8-3				8	3	1.45	100	-	1500	0	-	E
AMI-M11AG-1S-3-B	1S				3	1.45	100	3000	1500	0.22/0.38	002	D
AMI-M11AG-1S-3	1S				3	1.45	100	-	1500	0	-	D
AMI-M11AG-8S-3-B				8S	3	1.45	100	3000	1500	0.22/0.38	002	F
AMI-M11AG-8S-3				8S	3	1.45	100	-	1500	0	-	F
AMI-M11AG-1-3-A	1				3	1.45	100	100	1500	0.01/0.017	002	A
AMI-M11AG-1-3	1				3	1.45	100	-	1500	0	-	A
AMI-M11AG-1S-3-A	1S				3	1.45	100	100	1500	0.01/0.017	002	D
AMI-M11AG-1S-3	1S				3	1.45	100	-	1500	0	-	D

## Selection Table

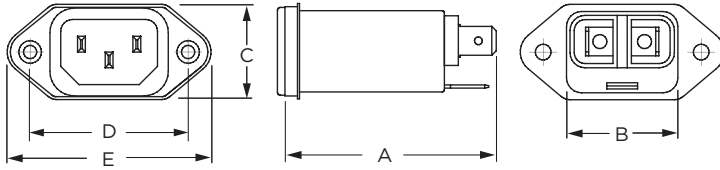
AMI Designation	Input/output Style			Current Rating	Inductance	Capacitance		Resistor	Leakage Current@ 120VAC 60Hz/250 VAC 50 Hz	TIL Insertion Loss	Case Style	
						mH	Cx					Cy
	Available Part Numbers		6.3mm Spade Terminals		Wire Leads	PCBA	nF ±20%	pF ±20%	mA			
Back	Bottom											
AMI-M11AG-8-3-A			8		3	1.45	100	100	1500	0.01/0.017	002	E
AMI-M11AG-8-3			8		3	1.45	100	-	1500	0	-	E
AMI-M11AG-8S-3-A			8S		3	1.45	100	100	1500	0.01/0.017	002	F
AMI-M11AG-8S-3			8S		3	1.45	100	-	1500	0	-	F
AMI-M11AG-1-6-B	1				6	0.465	100	3000	1500	0.22/0.38	003	A
AMI-M11AG-1-6	1				6	0.465	100	-	1500	0	-	A
AMI-M11AG-1A-6-B		1A			6	0.465	100	3000	1500	0.22/0.38	003	B
AMI-M11AG-1A-6		1A			6	0.465	100	-	1500	0	-	B
AMI-M11AG-13-6-B				13	6	0.465	100	3000	1500	0.22/0.38	003	C
AMI-M11AG-13-6				13	6	0.465	100	-	1500	0	-	C
AMI-M11AG-8-6-B			8		6	0.465	100	3000	1500	0.22/0.38	003	E
AMI-M11AG-8-6			8		6	0.465	100	-	1500	0	-	E
AMI-M11AG-15-6-B	1				6	0.465	100	3000	1500	0.22/0.38	003	D
AMI-M11AG-15-6	1				6	0.465	100	-	1500	0	-	D
AMI-M11AG-8S-6-B			8		6	0.465	100	3000	1500	0.22/0.38	003	F
AMI-M11AG-8S-6			8		6	0.465	100	-	1500	0	-	F
AMI-M11AG-1-6-A	1				6	0.465	100	100	1000	0.01/0.017	003	A
AMI-M11AG-1-6	1				6	0.465	100	-	1000	0	-	A
AMI-M11AG-1S-6-A	1S				6	0.465	100	100	1500	0.01/0.017	003	D
AMI-M11AG-1S-6	1S				6	0.465	100	-	1500	0	-	D
AMI-M11AG-8-6-A			8		6	0.465	100	100	1500	0.01/0.017	003	E
AMI-M11AG-8-6			8		6	0.465	100	-	1500	0	-	E
AMI-M11AG-8S-6-A			8S		6	0.465	100	100	1500	0.01/0.017	003	F
AMI-M11AG-8S-6			8S		6	0.465	100	-	1500	0	-	F
AMI-M11AG-8-10-B			8		10	0.35	100	3000	1500	0.22/0.38	004	E
AMI-M11AG-8-10			8		10	0.35	100	-	1500	0	-	E
AMI-M11AG-15-10-B	1				10	0.35	100	3000	1500	0.22/0.38	004	D
AMI-M11AG-15-10	1				10	0.35	100	-	1500	0	-	D
AMI-M11AG-8S-10-B			8S		10	0.35	100	3000	1500	0.22/0.38	004	F
AMI-M11AG-8S-10			8S		10	0.35	100	-	1500	0	-	F
AMI-M11AG-1-10-B	1				10	0.35	100	3000	1500	0.22/0.38	004	A
AMI-M11AG-1-10	1				10	0.35	100	-	1500	0	-	A
AMI-M11AG-1A-10-B		1A			10	0.35	100	3000	1500	0.22/0.38	004	B
AMI-M11AG-1A-10		1A			10	0.35	100	-	1500	0	-	B
AMI-M11AG-13-10-B				13	10	0.35	100	3000	1500	0.22/0.38	004	C
AMI-M11AG-13-10				13	10	0.35	100	-	1500	0	-	C

## Selection Table

AMI Designation	Input/output Style				Current Rating	Inductance mH	Capacitance		Resistor KO	Leakage Current@ 120VAC 60Hz/250 VAC 50 Hz mA	TIL Insertion Loss	Case Style
	6.3mm Spade Terminals		Wire Leads	PCBA			Cx nF ±20%	Cy pF ±20%				
	Back	Bottom										
AMI-M11AG-1-10-A	1				10	0.35	100	100	1000	0.01/0.017	004	A
AMI-M11AG-1-10	1				10	0.35	100	-	1000	0	-	A
AMI-M11AG-15-10-A	1S				10	0.35	100	100	1500	0.01/0.017	004	D
AMI-M11AG-15-10	1S				10	0.35	100	-	1500	0	-	D
AMI-M11AG-8-10-A				8	10	0.35	100	100	1500	0.01/0.017	004	E
AMI-M11AG-8-10				8	10	0.35	100	-	1500	0	-	E
AMI-M11AG-8S-10-A				8S	10	0.35	100	100	1000	0.01/0.017	004	F
AMI-M11AG-8S-10				8S	10	0.35	100	-	1000	0	-	F
AMI-M11AG-1-15-B	1				15	0.086	100	3000	1500	0.22/0.38	005	A
AMI-M11AG-1-15	1				15	0.086	100	-	1500	0	-	A
AMI-M11AG-1A-15-B		1A			15	0.086	100	3000	1500	0.22/0.38	005	B
AMI-M11AG-1A-15		1A			15	0.086	100	-	1500	0	-	B
AMI-M11AG-13-15-B				13	15	0.086	100	3000	1500	0.22/0.38	005	C
AMI-M11AG-13-15				13	15	0.086	100	-	1500	0	-	C
AMI-M11AG-8-15-B				8	15	0.086	100	3000	1500	0.22/0.38	005	E
AMI-M11AG-8-15				8	15	0.086	100	-	1500	0	-	E
AMI-M11AG-15-15-B	1				15	0.086	100	3000	1500	0.22/0.38	005	D
AMI-M11AG-15-15	1				15	0.086	100	-	1500	0	-	D
AMI-M11AG-8S-15-B				8S	15	0.086	100	3000	1500	0.22/0.38	005	F
AMI-M11AG-8S-15				8S	15	0.086	100	-	1500	0	-	F
AMI-M11AG-1-15-A	1				15	0.086	100	100	1500	0.01/0.017	005	A
AMI-M11AG-1-15	1				15	0.086	100	-	1500	0	-	A
AMI-M11AG-1S-15-A	1S				15	0.086	100	100	1500	0.01/0.017	005	D
AMI-M11AG-1S-15	1S				15	0.086	100	-	1500	0	-	D
AMI-M11AG-8-15-A				8	15	0.086	100	100	1500	0.01/0.017	005	E
AMI-M11AG-8-15				8	15	0.086	100	-	1500	0	-	E
AMI-M11AG-8S-15-A				8S	15	0.086	100	100	1500	0.01/0.017	005	F
AMI-M11AG-8S-15				8S	15	0.086	100	-	1500	0	-	F
AMI-M11AG-1-20-B	1				20	0.306	100	2800	1000	0.22/0.38	006	G
AMI-M11AG-1-20	1				20	0.306	100	-	1000	0	-	G
AMI-M11AG-8-20-B				8	20	0.306	100	2800	1000	0.22/0.38	006	I
AMI-M11AG-8-20				8	20	0.306	100	-	1000	0	-	I
AMI-M11AG-15-20-B	1S				20	0.306	100	3000	1500	0.22/0.38	006	H
AMI-M11AG-15-20	1S				20	0.306	100	-	1500	0	-	H
AMI-M11AG-8S-20-B				8S	20	0.306	100	3000	1500	0.22/0.38	006	J
AMI-M11AG-8S-20				8S	20	0.306	100	-	1500	0	-	J

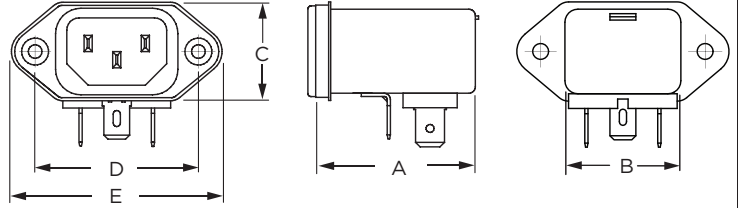
## Case Styles

### STYLE A



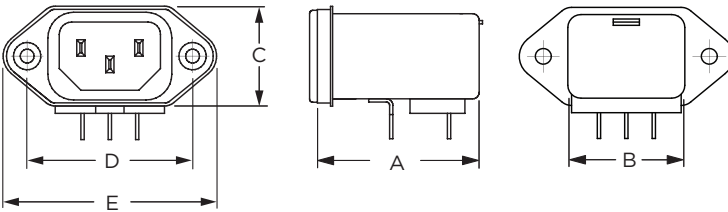
Typical Dimensions:  
 Mounting holes (2): .132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw  
 Line Inlet (1): IEC 60320-1 C14  
 Load Terminals (2): .250 [6.3] with .07 [1.8] Dia. hole  
 Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

### STYLE B



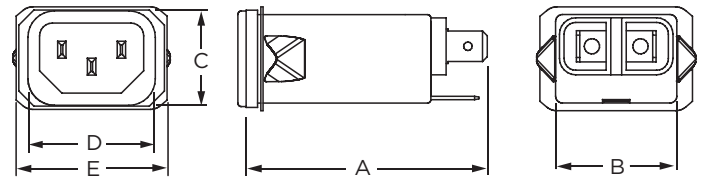
Typical Dimensions:  
 Mounting holes (2): .132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw  
 Line Inlet (1): IEC 60320-1 C14  
 Load Terminals (2): .250 [6.3] with .07 [1.8] Dia. hole  
 Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

### STYLE C



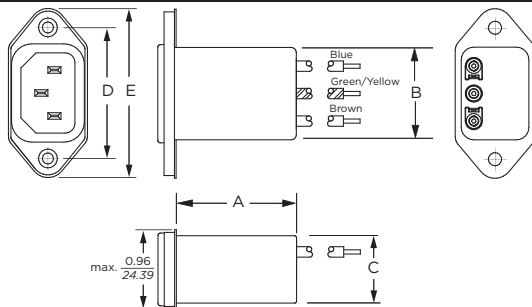
Typical Dimensions:  
 Mounting holes (2): .132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw  
 Line Inlet (1): IEC 60320-1 C14  
 PC board pins (3): .031 [.07] square, ± .003 [.07]

### STYLE D



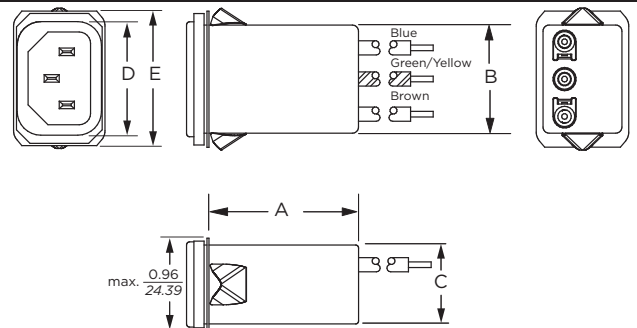
Typical Dimensions:  
 Line Inlet (1): IEC 60320-1 C14  
 Load Terminals (2): .250 [6.3] with .07 [1.8] Dia. hole  
 Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

### STYLE E



Typical Dimensions:  
 Mounting holes (2): .132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw  
 Line Inlet (1): IEC 60320-1 C14  
 Wire Leads: 4.0 [101.6] Min., 18AWG, UL1015

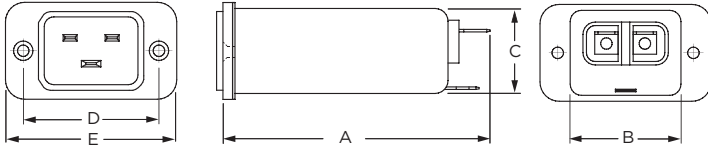
### STYLE F



Typical Dimensions:  
 Line Inlet (1): IEC 60320-1 C14  
 Wire Leads: 4.0 [101.6] Min., 18AWG, UL1015

## Case Styles

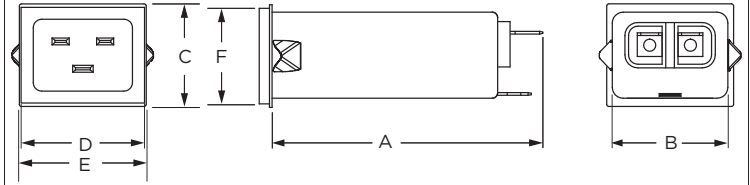
### STYLE G



Typical Dimensions:

- Mounting holes (2): .132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw
- Line Inlet (1): IEC 60320-1 C20
- Load Terminals (2): .250 [6.3] with .07 [1.8] Dia. hole
- Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

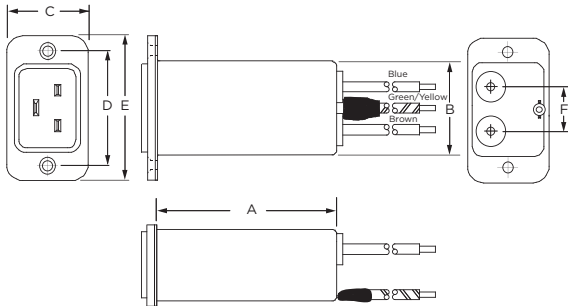
### STYLE H



Typical Dimensions:

- Line Inlet (1): IEC 60320-1 C20
- Load Terminals (2): .250 [6.3] with .07 [1.8] Dia. hole
- Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

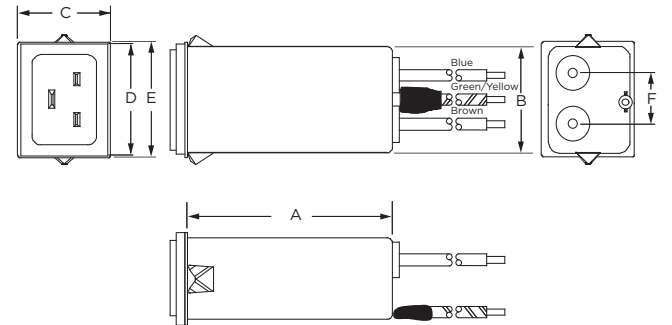
### STYLE I



Typical Dimensions:

- Mounting holes (2): .132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw
- Line Inlet (1): IEC 60320-1 C20
- Wire Leads: 4.0 [101.6] Min., 14AWG, UL1015

### STYLE J

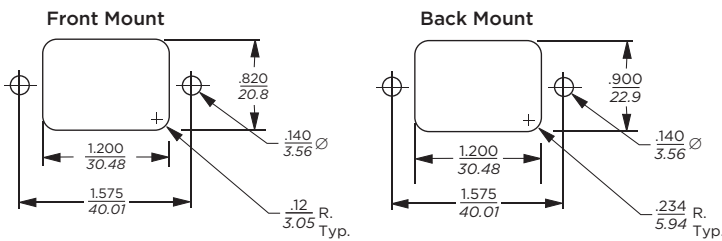


Typical Dimensions:

- Line Inlet (1): IEC 60320-1 C20
- Wire Leads: 4.0 [101.6] Min., 14AWG, UL1015

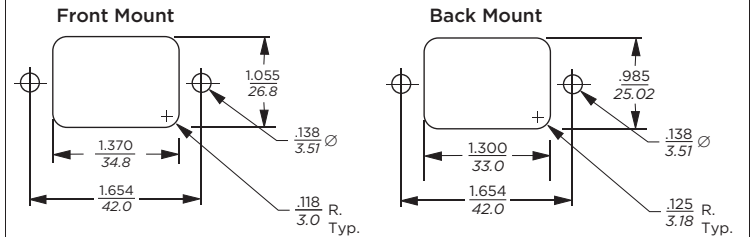
## Recommended Panel Cutouts

### 1-15A



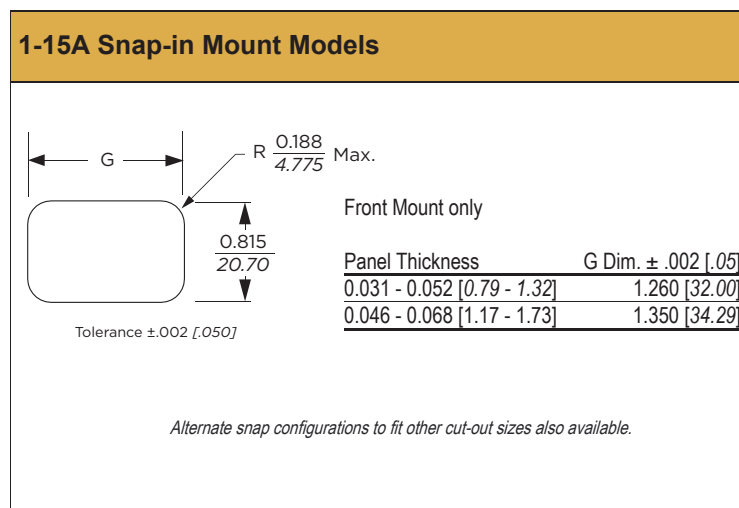
Tolerances  $\pm .005$  [0.13] unless otherwise noted

### 20A



Tolerances  $\pm .005$  [0.13] unless otherwise noted

## Recommended Panel Cutouts



## Case Dimensions

Model Number	A max	B max	C max	D $\frac{±.015}{±.38}$	E max	F(ref)
AMI-M11AG-1-X-B	2.15"/54.61mm	1.13"/28.70mm	0.96"124.38mm	1.58"/40.00mm	2.04"/51.76mm	
AMI-M11AG-1A-1-B						
AMI-M11AG-1A-3-B	1.54"/39.12mm	1.13"/28.70mm	0.96"124.38mm	1.58"/40.00mm	2.04"/51.76mm	
AMI-M11AG-1A-6-B						
AMI-M11AG-1A-10-B						
AMI-M11AG-1A-15-B	1.79"/45.47mm	1.13"/28.70mm	0.96"124.38mm	1.58"/40.00mm	2.04"/51.76mm	
AMI-M11AG-13-1-B						
AMI-M11AG-13-3-B	1.54"/39.12mm	1.13"/28.70mm	0.96"124.38mm	1.58"/40.00mm	2.04"/51.76mm	
AMI-M11AG-13-6-B						
AMI-M11AG-13-10-B						
AMI-M11AG-13-15-B	1.79"/45.47mm	1.13"/28.70mm	0.96"124.38mm	1.58"/40.00mm	2.04"/51.76mm	
AMI-M11AG-1A-X-B	2.20"/55.88mm	1.13"/28.70mm	0.96"124.38mm	1.19"/30.10mm	1.41"/35.81mm	
AMI-M11AG-8-X-B	1.54"/39.12mm	1.13"/28.70mm	0.81"/20.70mm	1.58"/40.00mm	2.04"/51.76mm	
AMI-M11AG-8S-X-B	1.54"/39.12mm	1.13"/28.70mm	0.81"/20.70mm	1.19"/30.10mm	1.41"/35.81mm	
AMI-M11AG-1-20-B	3.13"/79.38mm	1.3T"/34.79mm	1.18"/29.99mm	1.65"/42.01mm	2.09"/53.00mm	
AMI-M11AG-1S-20-B	3.13"/79.38mm	1.35"134.29mm	1.18"/29.99mm	1.42"136.07mm	1.46"137.08mm	
AMI-M11AG-8-20-B	2.65"/67.31mm	1.35"134.29mm	1.18"/29.99mm	1.65"/42.01mm	2.09"/53.00mm	0.62"/15.75mm
AMI-M11AG-8S-20-B	2.63"/66.80mm	1.35"134.29mm	1.18"/29.99mm	1.46"/37.08mm	1.42"/36.08mm	0.62"/15.75mm

## Typical Insertion Loss

According to CISPR17 in 50 Ω system

— Common Mode / Asymmetrical (L-G)  
— Differential Mode / Symmetrical (L-L)

