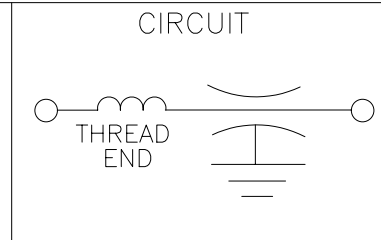
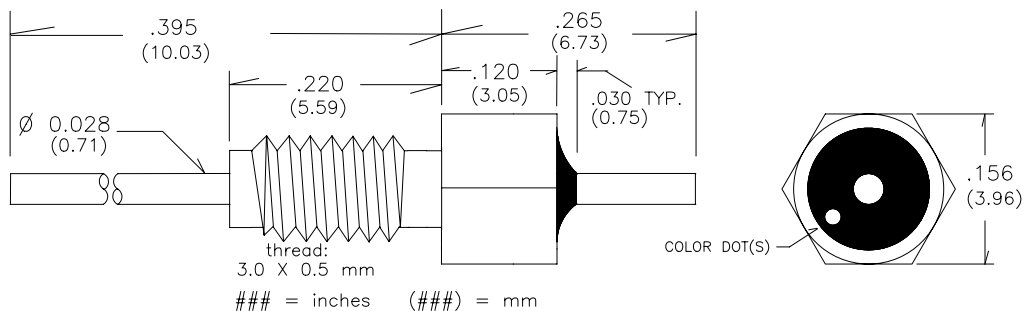


NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
	M4L000D	0		200	10					
	M4L050D	5	2 ORANGE	200	10					
	M4L100D	10	VIOLET	200	10				7	20
	M4L250D	25	BLUE	200	10				13	25
	M4L101D	100	GREEN	200	10			5	22	35
	M4L501D	500	BROWN	200	10			18	37	38
	M4L102D	1000	WHITE	200	10		8	25	40	42
	M4L122D	1200	WHITE	200	10		8	28	42	50
	M4L152D	1500	WHITE	200	10		10	28	43	53
	M4L272D	2700	RED	200	10	8	13	32	45	55
	M4L502D	5000	YELLOW	200	10	8	17	35	47	55
	M4L103D	10,000	2 WHITE	200	10	8	27	48	65	65
	M4L153B	15,000	2 WHITE	100	10	10	28	50	65	65
	M4L273B	27,000	2 RED	100	10	13	33	53	75	75
	M4L333B	33,000	2 RED	100	10	13	35	55	75	75
	M4L503B	50,000	2 YELLOW	100	10	18	37	57	80	80
	M4L104A	100,000	3 WHITE	50	10	28	48	60	85	80

CAPACITANCE TOLERANCE: +100/-0%

DISSIPATION FACTOR: 3.5% MAX.

INSULATION RESISTANCE: 25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.

DIELECTRIC STRENGTH (DWV): 250% of WVDC

OPERATING TEMPERATURE: -55° C to +125° C

TEMPERATURE CHARACTERISTIC: X7R or better

MARKING: Color Dot standard per chart

MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

INSTALLATION TEMPERATURE: N/A

DIMENSION TOLERANCE:

CASE: +/- .010" (.250mm)

LEAD LENGTH: +/- .030" (.762mm)

LEAD DIAMETER: +/- .002" (.051mm)

MATERIAL AND FINISH:

CASE: C12L14 CRS

LEAD: Copper (1/2 Hard)

FINISH: Silver per QQ-S-365

VENDOR:

EMI Filter Company
12750 59th Way N.
Clearwater, FL 33760

(727) 585-7990

(727) 586-5138 Fax

www.emifiltercompany.com

FILTERS, EMI, "L" CIRCUIT, STANDARD
3.5 mm X 0.5 mm THREADED BODY

FSCM NO.

DWG NO.

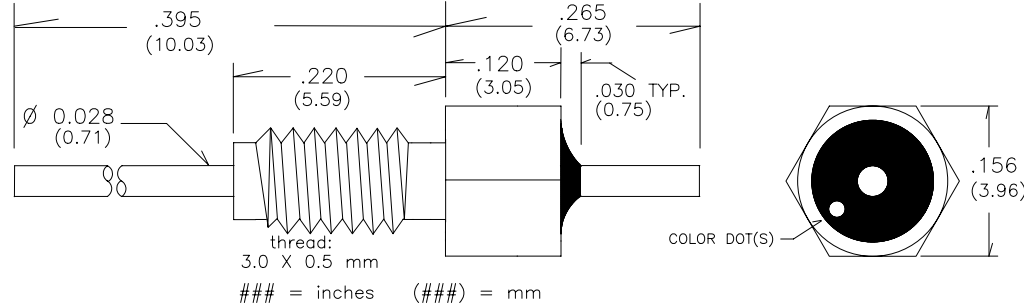
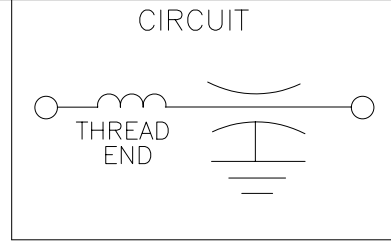
M4Ls REV C

REV

C

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L000D
INDUSTRY STANDARD M3.0x0.5mm
"0pF" Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L000D		0	NONE	200	10	---	---	---	---	---

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

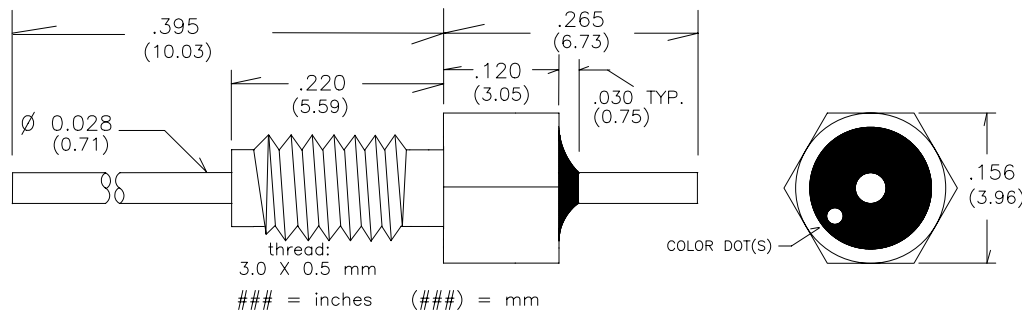
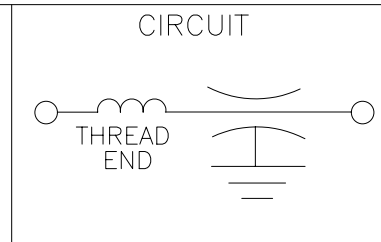
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55°C to +125°C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L000D REVC	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L050D
INDUSTRY STANDARD M3.0x0.5mm
"5pF" Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L050D		5	2 ORANGE	200	10	---	---	---	---	---

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

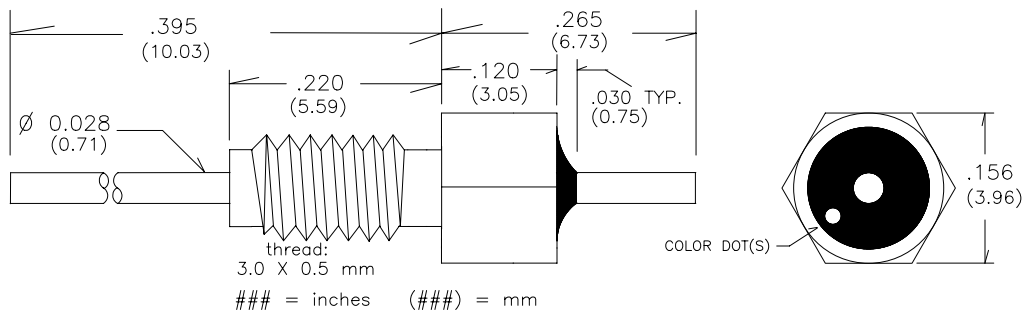
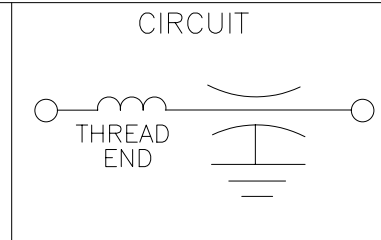
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55°C to +125°C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L050D REVC	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L100D
INDUSTRY STANDARD M3.0x0.5mm
10pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L100D		10	VIOLET	200	10	---	---	---	7	20

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

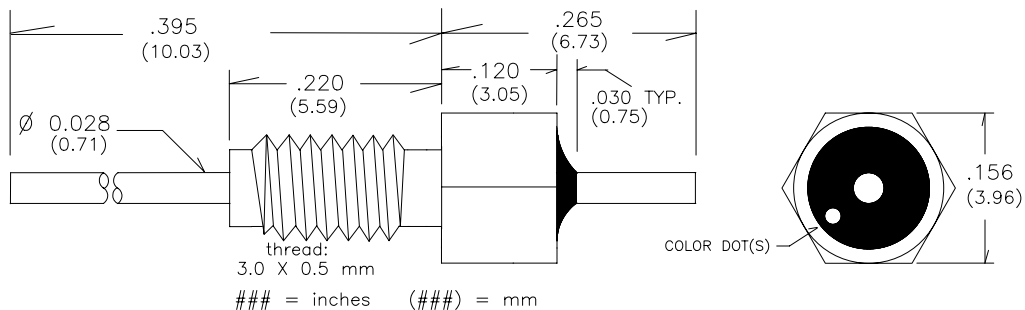
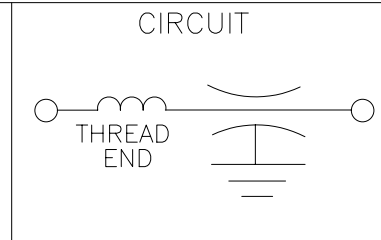
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55°C to +125°C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L100D REV C	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L250D
INDUSTRY STANDARD M3.0x0.5mm
25pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
BML250D		25	BLUE	200	10	---	---	---	13	25

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

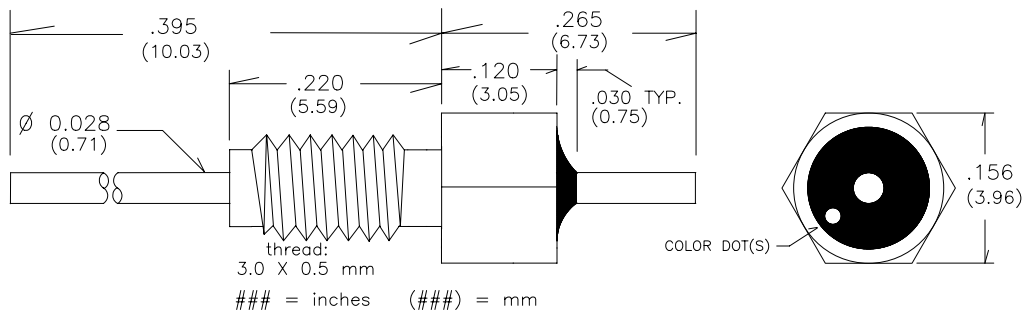
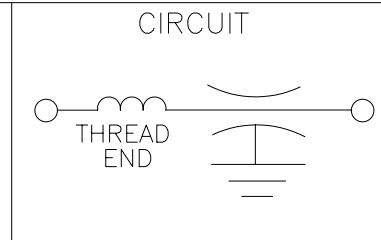
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55° C to +125° C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.		DWG NO. M4L250D REV C		REV C

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L101D
INDUSTRY STANDARD M3.0x0.5mm
100pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L101D		100	GREEN	200	10	---	---	7	22	35

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

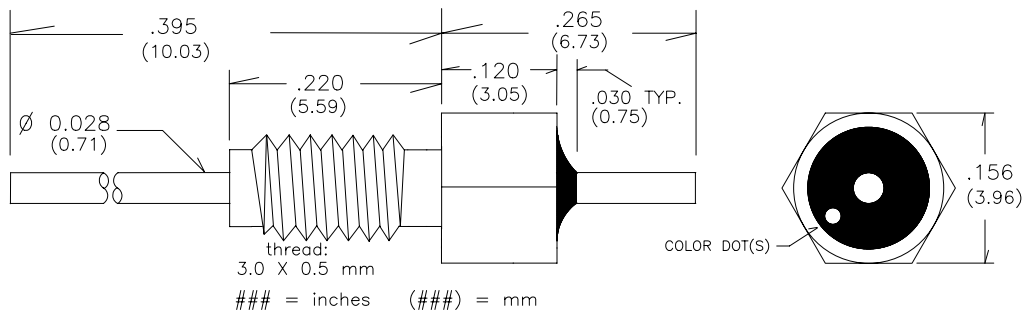
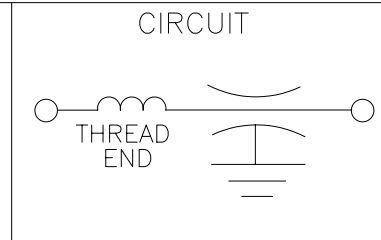
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55°C to +125°C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L101D REVC	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L501D
INDUSTRY STANDARD M3.0x0.5mm
500pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
B4L501D		500	BROWN	200	10	---	---	18	37	45

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

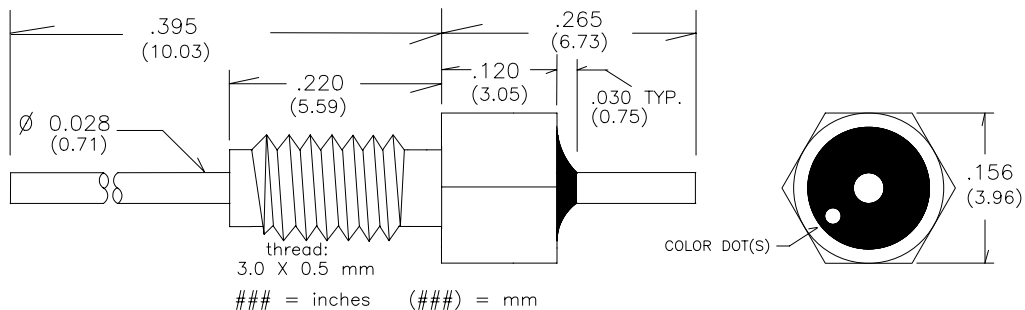
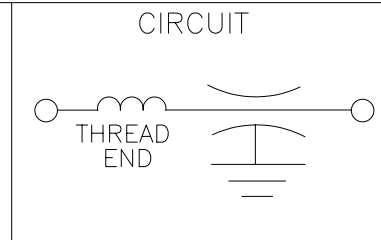
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55 °C to +125 °C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L501D REV C	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L102D
INDUSTRY STANDARD M3.0x0.5mm
1,000pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L102D		1,000	WHITE	200	10	---	8	25	40	40

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

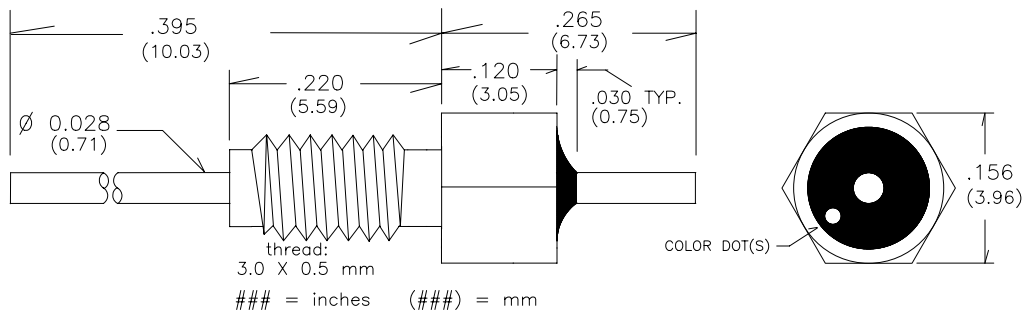
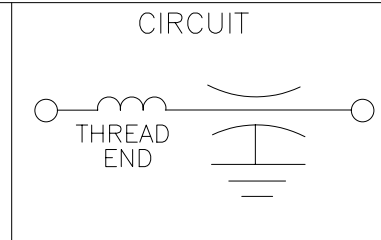
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55°C to +125°C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L102D REV C	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L122D
INDUSTRY STANDARD M3.0x0.5mm
1,200pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L122D		1,200	WHITE	200	10	---	8	25	40	40

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

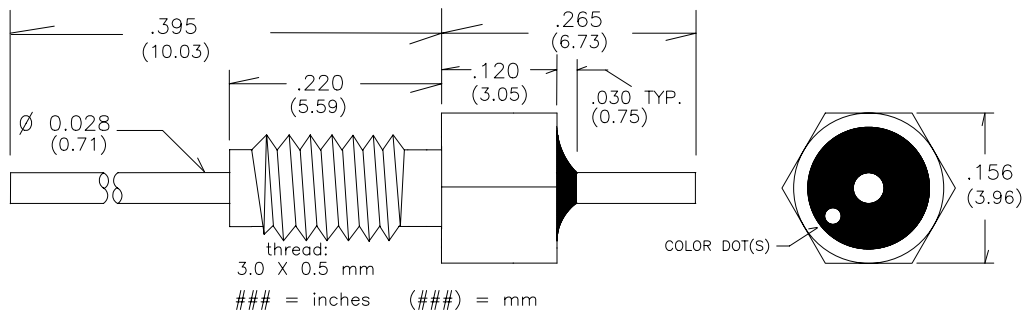
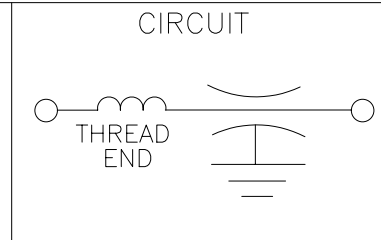
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55°C to +125°C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L122D REV C	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L152D
INDUSTRY STANDARD M3.0x0.5mm
1,500pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L152D		1,500	WHITE	200	10	---	10	28	43	53

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

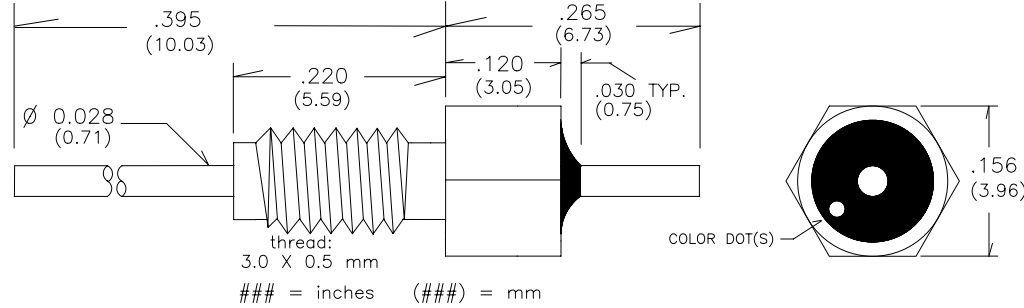
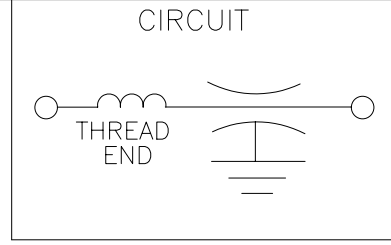
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55°C to +125°C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L152D REV C	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L272D
INDUSTRY STANDARD M3.0x0.5mm
2,700pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L272D		2,700	RED	200	10	8	13	32	45	55

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

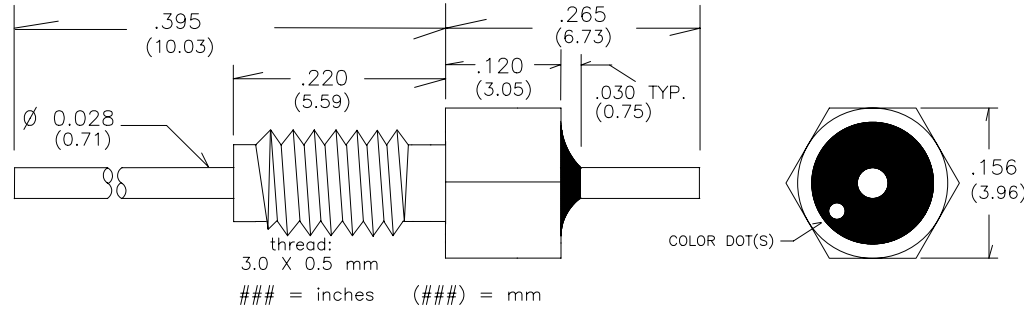
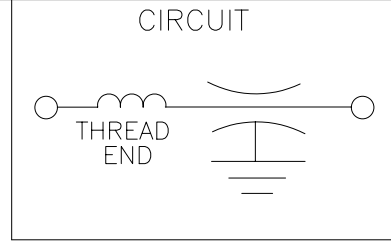
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55° C to +125° C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L272D REV C	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L502D
INDUSTRY STANDARD M3.0x0.5mm
5,000pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L502D		5,000	YELLOW	200	10	7	17	35	47	55

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

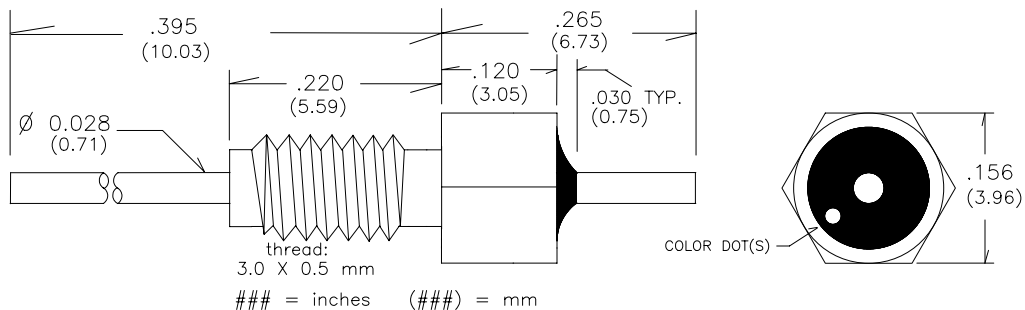
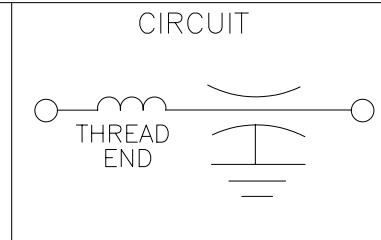
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55° C to +125° C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L502D REV C	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L103D
INDUSTRY STANDARD M3.0x0.5mm
10,000pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L103D		10,000	2 WHITE	200	10	8	27	48	65	65

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

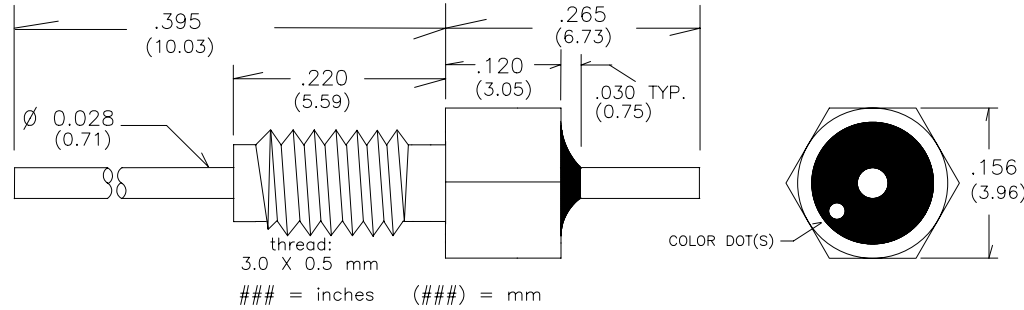
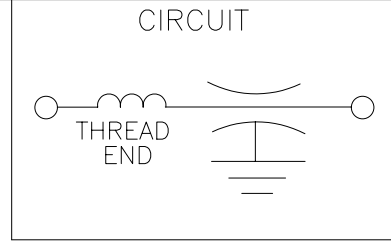
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55°C to +125°C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L103D REV C	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L153B
INDUSTRY STANDARD M3.0x0.5mm
15,000pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L153B		15,000	2 WHITE	100	10	10	28	50	65	60

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

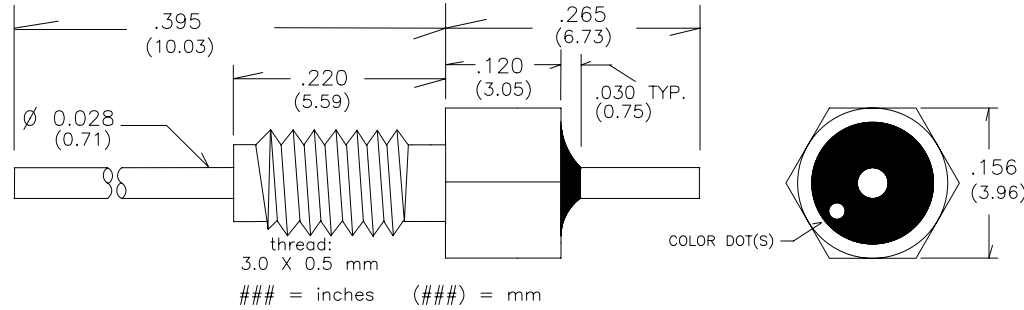
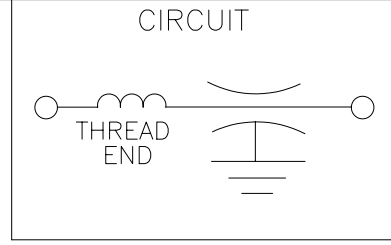
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55°C to +125°C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L153B REV C	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L273B
INDUSTRY STANDARD M3.0x0.5mm
27,000pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L273B		27,000	2 RED	100	10	13	35	53	75	65

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

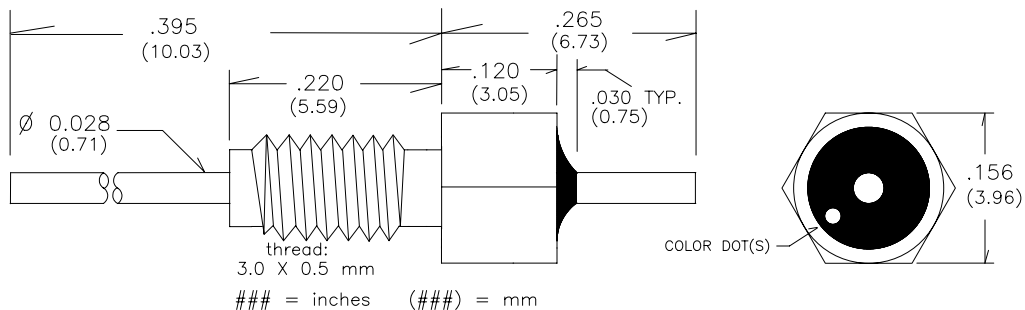
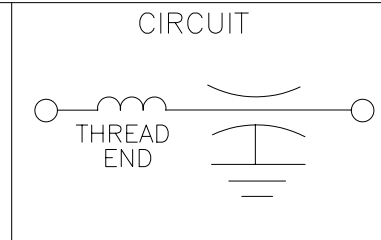
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55°C to +125°C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L273B REV C	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L333B
INDUSTRY STANDARD M3.0x0.5mm
33,000pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L333B		33,000	2 RED	100	10	13	35	53	75	65

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

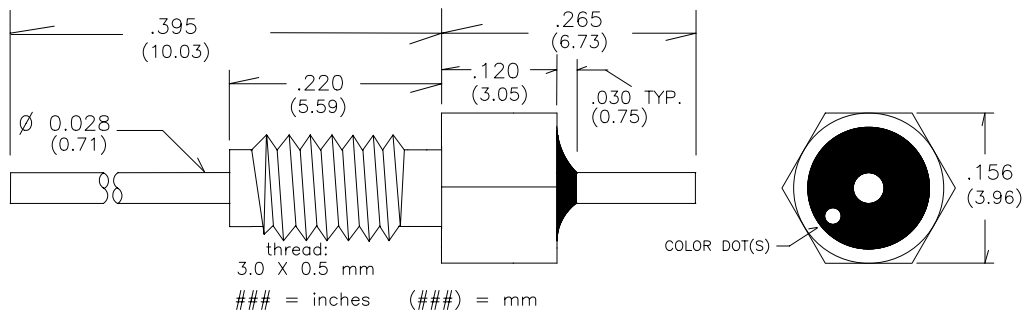
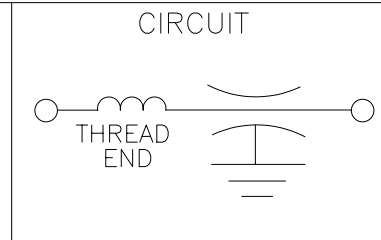
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55°C to +125°C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L333B REV C	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L503B
INDUSTRY STANDARD M3.0x0.5mm
50,000pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L503B		50,000	2 RED	100	10	13	35	53	75	65

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

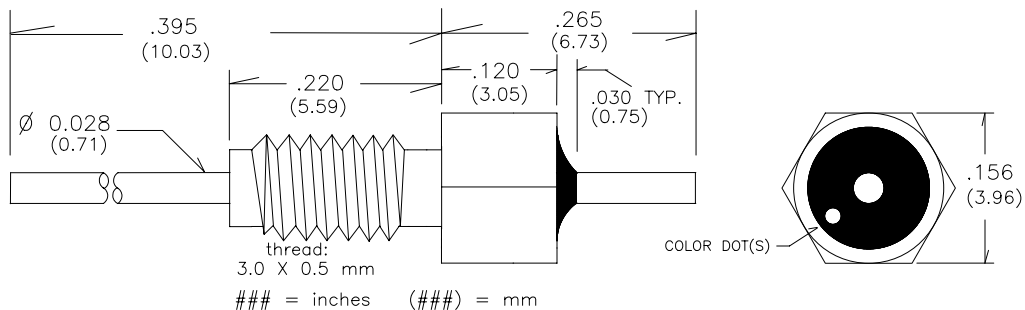
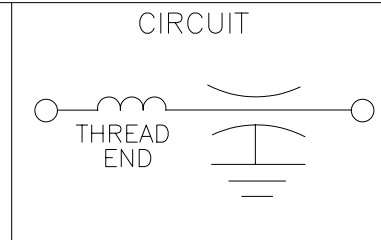
IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55°C to +125°C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L503B REV C	REV C		

NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA

M4L104A
INDUSTRY STANDARD M3.0x0.5mm
100,000pF Cap. "L" Feed-Thru



- * RoHS Compliant
- * ISO 9001:2008 Registered
- * Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
M4L104A		100,000	2 RED	50	10	13	35	53	75	65

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%
DISSIPATION FACTOR: 3.5% MAX.
INSULATION RESISTANCE:
25°C=10,000 Mohm Min.
125°C= 1,000 Mohm Min.
DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)
TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)
MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart
OPERATING TEMP: -55°C to +125°C
INSTALLATION TEMP: N/A
MAXIMUM MOUNTING TORQUE: 2.0 in*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, "L" CIRCUIT, STANDARD 3.5 mm X 0.5 mm THREADED BODY		
FSCM NO.	DWG NO. M4L104A REV C	REV C		