

NOTE: ATTENUATION EFFECTIVENESS OF INDUCTOR IS LOST IF CURRENT THROUGH THE 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				
						100 KHz	1MHz	10 MHz	100 MHz	1 GHz
	T7P152D	1500	WHITE	200	10		4	13	56	83
	T7P502D	5000	YELLOW	200	10	4	7	22	66	85
	T7P103D	10,000	2 WHITE	200	10	4	10	32	78	81
	T7P303B	30,000	2 RED	100	10	6	16	50	85	85
	T7P503B	50,000	2 YELLOW	100	10	10	20	64	88	88
	T7P104A	100,000	3 WHITE	50	10	14	27	73	85	85
	T7P204A	200,000	2 GREEN	50	10	18	32	80	85	90

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)

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

TEMPERATURE CHARACTERISTIC: X7R or better

MARKING: Color Dot standard per chart

MAXIMUM MOUNTING TORQUE: 6.0 in\*lbs

INSTALLATION TEMPERATURE: N/A

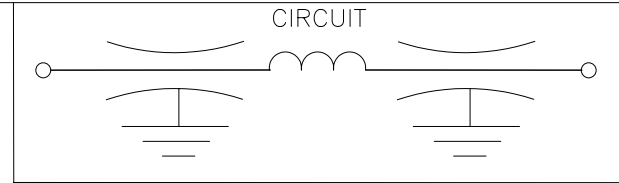
DIMENSION TOLERANCE:  
CASE: +/- .010" (.250mm)  
LEAD LENGTH: +/- .030" (.762mm)  
LEAD DIAMETER: +/- .002" (.051mm)

MATERIAL AND FINISH:  
CASE: C12L14 CRS  
LEAD: Copper (1/2 Hard)  
FINISH: Silver per QQ-S-365

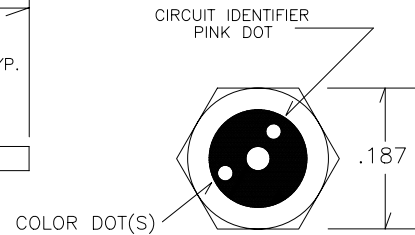
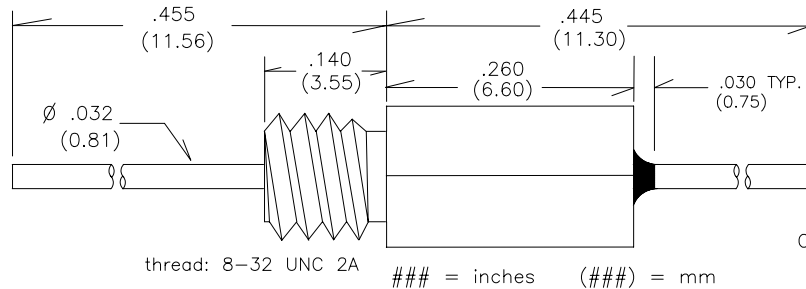
VENDOR:  
EMI Filter Company  
12750 59th Way N.  
Clearwater, FL 33760  
(727) 585-7990  
(727) 586-5138 Fax  
www.emifiltercompany.com

FILTERS, EMI, TALL HEAD, "Pi" CIRCUIT 8-32 THREADED BODY		
FSCM NO.	DWG NO. T7Ps REVC	REV C
SCALE		

T7P152D  
TALL HEAD 8-32  
1,500pF Cap. "Pi" Feed-Thru



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



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- \* Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						100 KHz	1 MHz	10 MHz	100 MHz	1 GHz
T7P152D		1500	WHITE	200	10	---	4	13	56	83

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

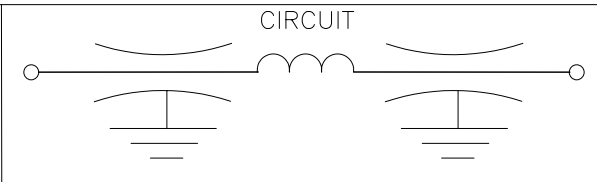
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CASE: C12L14 CRS  
LEAD: Copper (1/2 Hard)  
FINISH: Silver per QQ-S-365

IDENTIFICATION & LIMITS

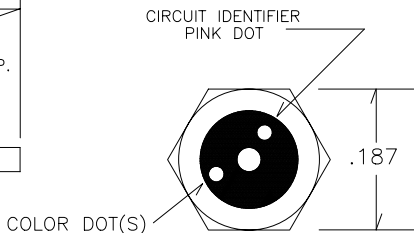
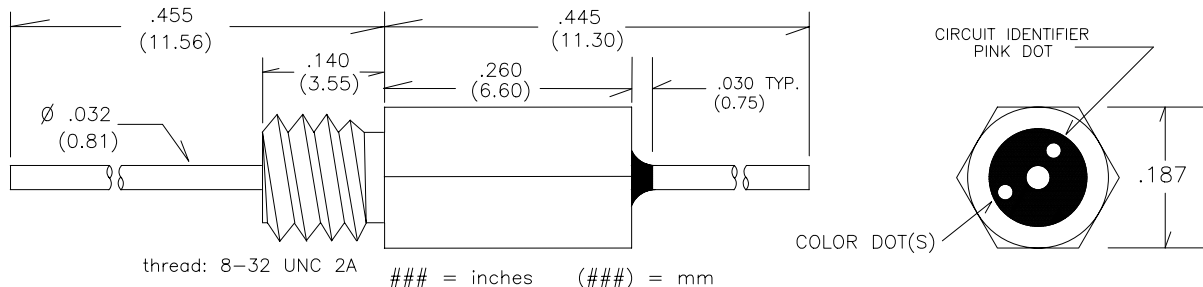
MARKING: Color Dot standard per chart  
OPERATING TEMP: -55° C to +125° C  
INSTALLATION TEMP: N/A  
MAXIMUM MOUNTING TORQUE: 6.0 in\*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, TALL HEAD, "Pi" CIRCUIT 8-32 THREADED BODY		
FSCM NO.	DWG NO. T7P152D REVC	REV C		
SCALE				

T7P502D  
TALL HEAD 8-32  
5,000pF Cap. "Pi" Feed-Thru



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- \* Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						100 KHz	1 MHz	10 MHz	100 MHz	1 GHz
T7P502D		5,000	YELLOW	200	10	4	7	22	66	85

**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

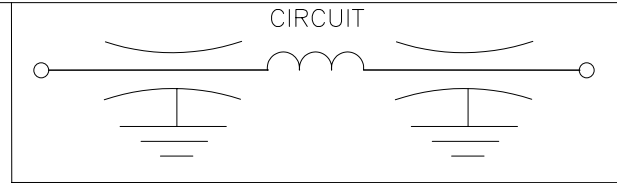
OPERATING TEMP: -55° C to +125° C

INSTALLATION TEMP: N/A

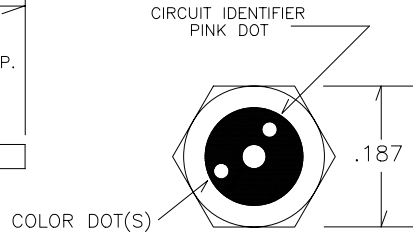
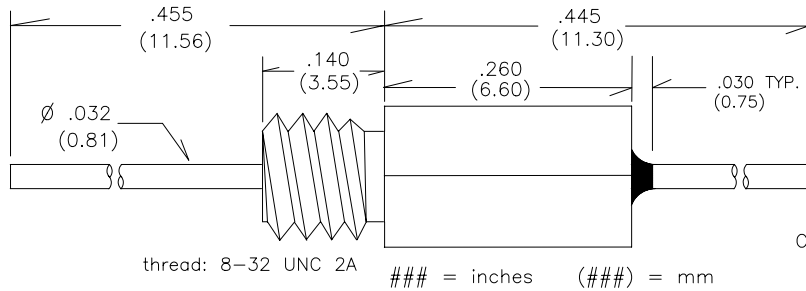
MAXIMUM MOUNTING TORQUE: 6.0 in\*lbs

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FSCM NO.	DWG NO. T7P502D REVC	REV C		
SCALE				

T7P103D  
TALL HEAD 8-32  
10,000pF Cap. "Pi" Feed-Thru



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- \* Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						100 KHz	1 MHz	10 MHz	100 MHz	1 GHz
T7P103D		10,000	2 WHITE	200	10	4	10	32	78	81

**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**

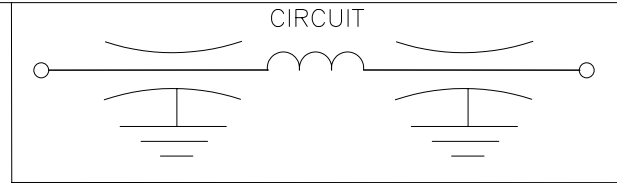
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 LEAD DIAMETER: +/- .002" (.051mm)  
 MATERIAL AND FINISH:  
 CASE: C12L14 CRS  
 LEAD: Copper (1/2 Hard)  
 FINISH: Silver per QQ-S-365

**IDENTIFICATION & LIMITS**

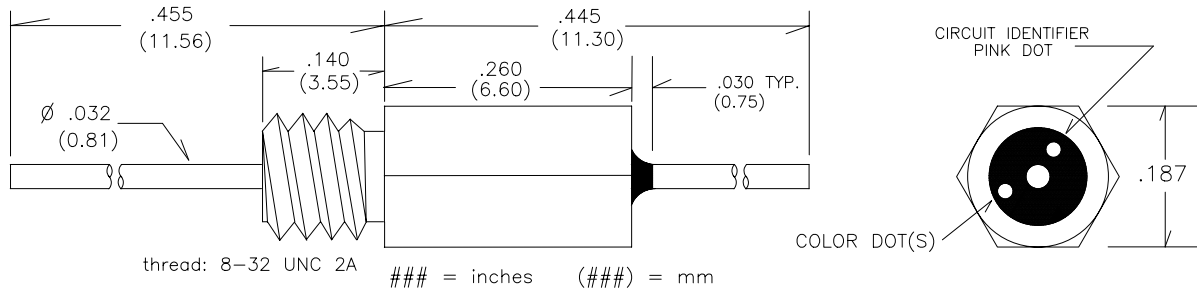
MARKING: Color Dot standard per chart  
 OPERATING TEMP: -55° C to +125° C  
 INSTALLATION TEMP: N/A  
 MAXIMUM MOUNTING TORQUE: 6.0 in\*lbs

VENDOR: EMI Filter Company 12750 59th Way N. Clearwater, FL 33760 (727) 585-7990 (727) 586-5138 Fax www.emifiltercompany.com		FILTERS, EMI, TALL HEAD, "Pi" CIRCUIT 8-32 THREADED BODY		
		FSCM NO.	DWG NO. T7P103D REVC	REV C
SCALE				

T7P303B  
TALL HEAD 8-32  
30,000pF Cap. "Pi" Feed-Thru



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- \* Discoidal Capacitor Construction

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						100 KHz	1 MHz	10 MHz	100 MHz	1 GHz
T7P303B		10,000	2 WHITE	100	10	6	16	50	85	85

**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**

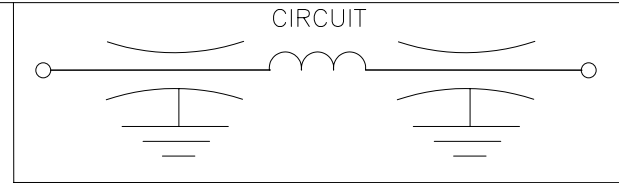
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 LEAD DIAMETER: +/- .002" (.051mm)  
 MATERIAL AND FINISH:  
 CASE: C12L14 CRS  
 LEAD: Copper (1/2 Hard)  
 FINISH: Silver per QQ-S-365

**IDENTIFICATION & LIMITS**

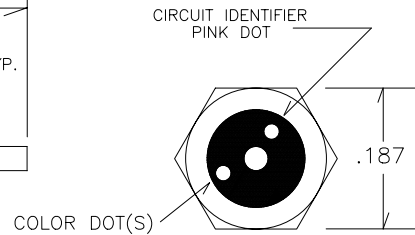
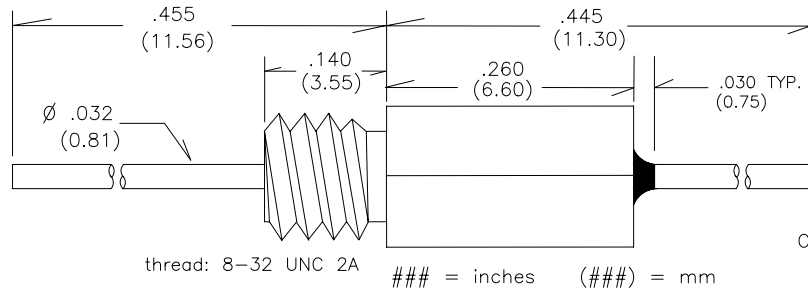
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	FSCM NO.	DWG NO. T7P303B REVC	REV C
	SCALE		

T7P503B  
TALL HEAD 8-32  
5,000pF Cap. "Pi" Feed-Thru



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PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						100 KHz	1 MHz	10 MHz	100 MHz	1 GHz
T7P503B		50,000	2 YELLOW	100	10	10	20	64	88	88

**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):  
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 TEMPERATURE CHARACTERISTIC:  
 X7R or better

**PHYSICAL**

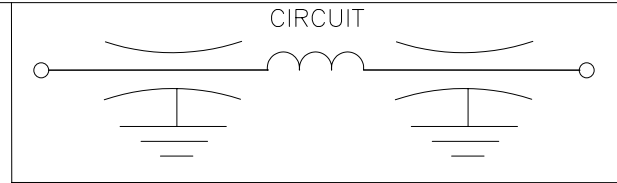
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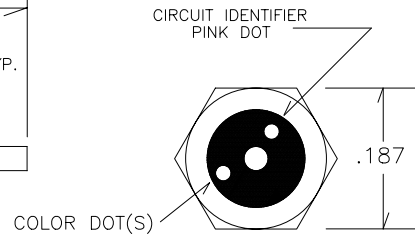
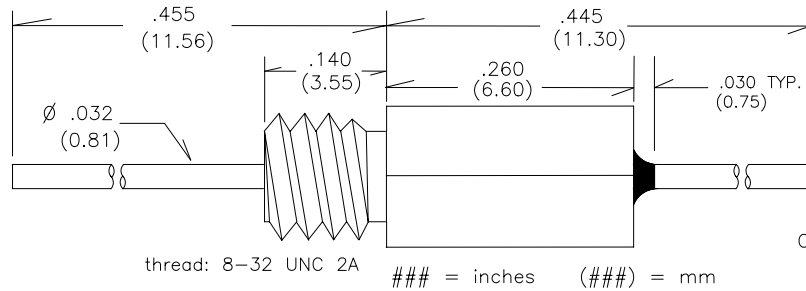
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FSCM NO.	DWG NO. T7P503B REVC	REV C		
SCALE				

T7P104A  
TALL HEAD 8-32  
100,000pF Cap. "Pi" Feed-Thru



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PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						100 KHz	1 MHz	10 MHz	100 MHz	1 GHz
T7P104A		100,000	3 WHITE	50	10	14	27	73	85	85

ELECTRICAL

CAPACITANCE TOLERANCE: +100/-0%  
 DISSIPATION FACTOR: 3.5% MAX.  
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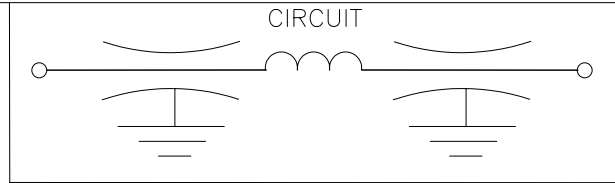
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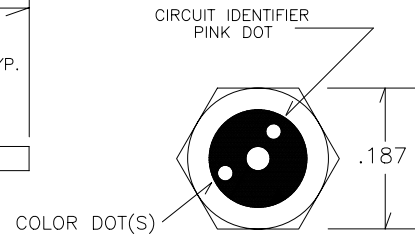
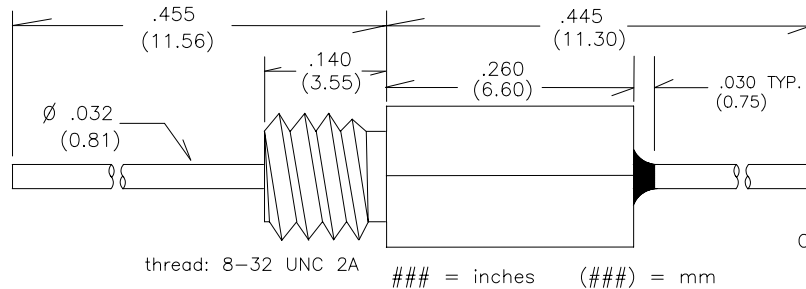
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FSCM NO.	DWG NO. T7P104A REVC	REV C		
SCALE				

T7P204A  
TALL HEAD 8-32  
200,000pF Cap. "Pi" Feed-Thru



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PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						100 KHz	1 MHz	10 MHz	100 MHz	1 GHz
T7P204A		200,000	2 GREEN	50	10	18	32	80	85	90

**ELECTRICAL**

CAPACITANCE TOLERANCE: +100/-0%  
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	SCALE		