

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

### = inches (###) = mm

- \* 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
	T7T152D	1500	WHITE	200	10			13	37	51
	T7T502D	5000	YELLOW	200	10	3	6	24	48	62
	T7T103D	10,000	2 WHITE	200	10	4	13	32	55	65
	T7T303B	30,000	2 RED	100	10	7	20	40	60	85
	T7T503B	50,000	2 YELLOW	100	10	9	24	44	62	85
	T7T104A	100,000	3 WHITE	50	10	14	30	48	62	85

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, "T" CIRCUIT  
8-32 THREADED BODY

FSCM NO.

DWG NO.

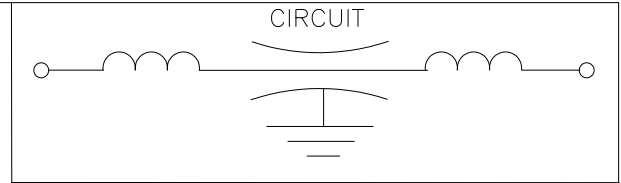
REV

T7Ts REVC

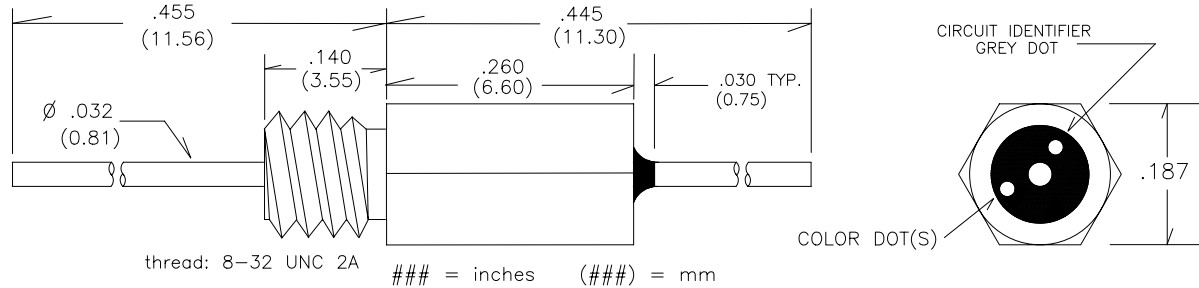
C

SCALE

T7T152D  
TALL HEAD 8-32  
1,500pF Cap. "T" 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
T7T152D		1,500	WHITE	200	10	---	---	13	37	51

**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

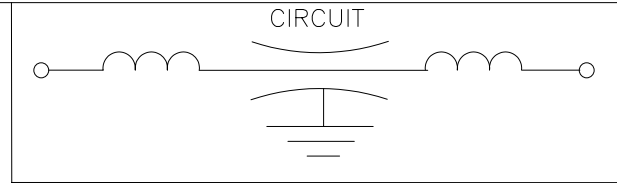
OPERATING TEMP: -55° C to +125° C

INSTALLATION TEMP: N/A

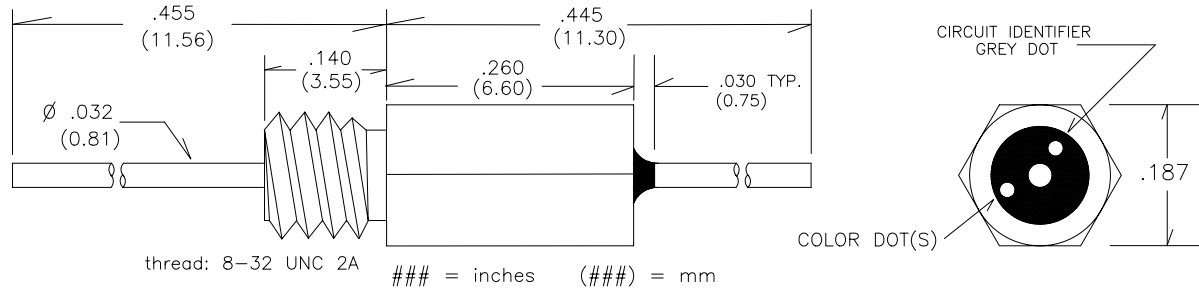
MAXIMUM MOUNTING TORQUE: 6.0 in\*lbs

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, "T" CIRCUIT 8-32 THREADED BODY		
FSCM NO.	DWG NO. T7T152D REVC	REV C		
SCALE				

T7T502D  
TALL HEAD 8-32  
5,000pF Cap. "T" 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
T7T502D		5,000	YELLOW	200	10	3	4	24	48	62

**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

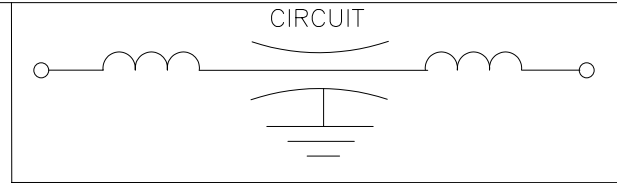
OPERATING TEMP: -55° C to +125° C

INSTALLATION TEMP: N/A

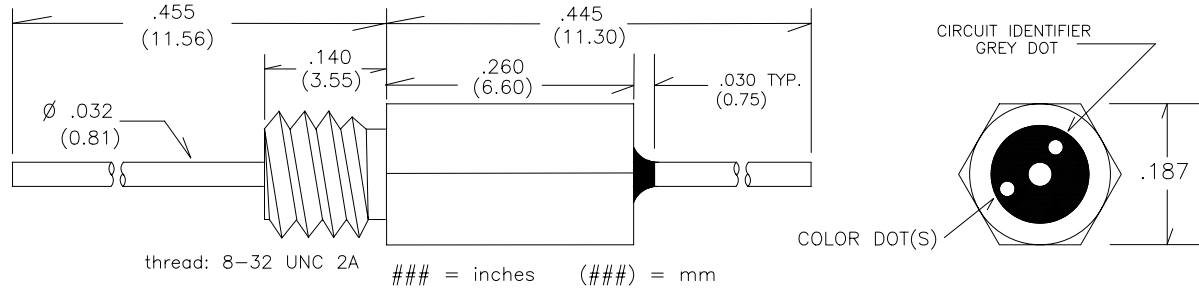
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FSCM NO.	DWG NO. T7T502D REVC	REV C		
SCALE				

T7T103D  
TALL HEAD 8-32  
10,000pF Cap. "T" 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
T7T103D		10,000	2 WHITE	200	10	4	13	32	55	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

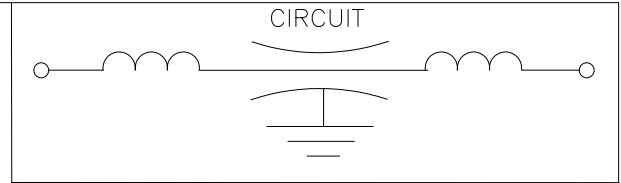
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MATERIAL AND FINISH:  
CASE: C12L14 CRS  
LEAD: Copper (1/2 Hard)  
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IDENTIFICATION & LIMITS

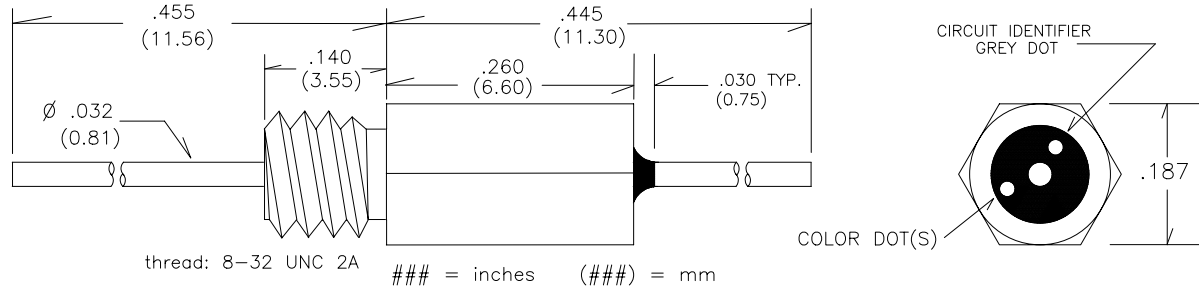
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OPERATING TEMP: -55° C to +125° C  
INSTALLATION TEMP: N/A  
MAXIMUM MOUNTING TORQUE: 6.0 in\*lbs

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FSCM NO.	DWG NO. T7T103D REVC	REV C		
SCALE				

T7T303B  
TALL HEAD 8-32  
30,000pF Cap. "T" 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
T7T303B		30,000	2 RED	100	10	7	20	40	60	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

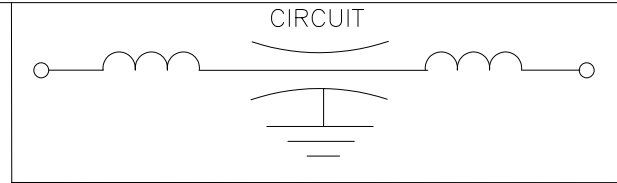
DIMENSION TOLERANCE:  
CASE LENGTH: +/- .010" (.250mm)  
LEAD LENGTH: +/- .030" (.762mm)  
LEAD DIAMETER: +/- .002" (.051mm)  
MATERIAL AND FINISH:  
CASE: C12L14 CRS  
LEAD: Copper (1/2 Hard)  
FINISH: Silver per QQ-S-365

IDENTIFICATION & LIMITS

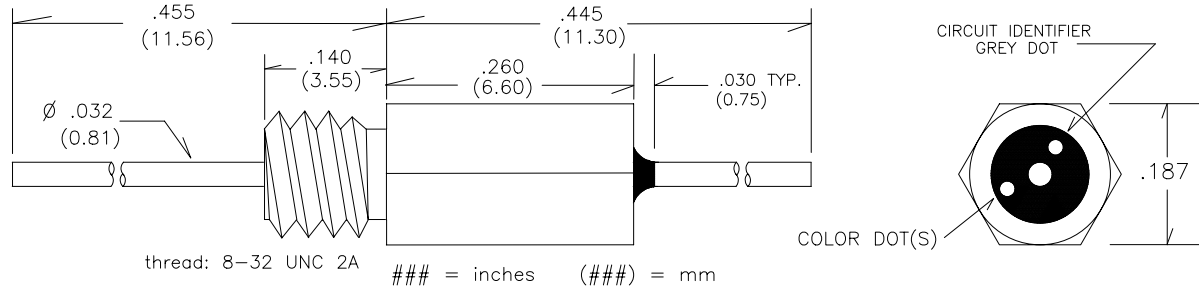
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OPERATING TEMP: -55° C to +125° C  
INSTALLATION TEMP: N/A  
MAXIMUM MOUNTING TORQUE: 6.0 in\*lbs

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FSCM NO.	DWG NO. T7T303B REVC	REV C		
SCALE				

**T7T503B**  
**TALL HEAD 8-32**  
**50,000pF Cap. "T" 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
T7T503B		50,000	2 YELLOW	100	10	9	24	44	62	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**

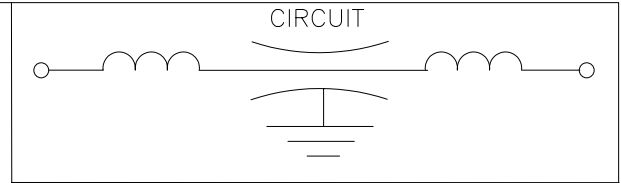
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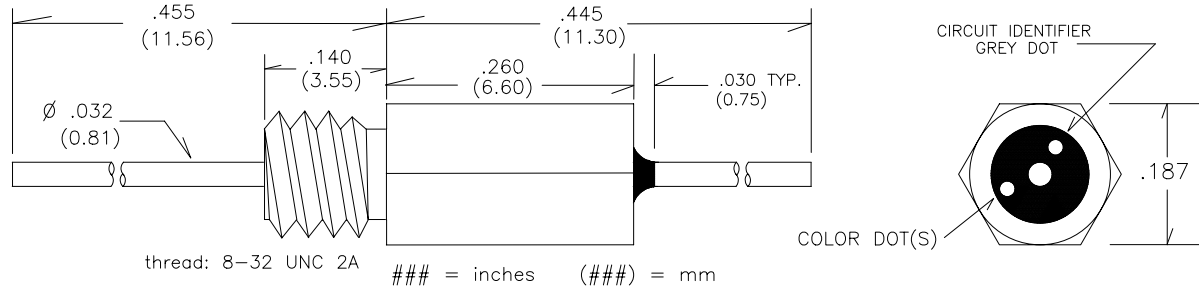
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 OPERATING TEMP: -55° C to +125° C  
 INSTALLATION TEMP: N/A  
 MAXIMUM MOUNTING TORQUE: 6.0 in\*lbs

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		FSCM NO.	DWG NO. T7T503B REVC	REV C
		SCALE		

T7T104A  
TALL HEAD 8-32  
10,000pF Cap. "T" 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
T7T104A		100,000	3 WHITE	50	10	14	30	48	61	88

**ELECTRICAL**

CAPACITANCE TOLERANCE: +100/-0%

DISSIPATION FACTOR: 3.5% MAX.

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

DIELECTRIC STRENGTH (DWV):  
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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

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INSTALLATION TEMP: N/A

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FSCM NO.	DWG NO. T7T104A REVC	REV C		
SCALE				