

# **Spec Spin Filters**

Spectrum Control Inc. introduces the new space saving #2-56 threaded miniature EMI spanner filter. This new threaded filter is designed without a hex and does not require soldering for installation. These features make it an excellent selection for applications that require many lines to be filtered in close proximity. The easy swap out also allows for flexibility in filter replacement and capacitance substitution. Easy filter substitution also allows for flexibility in filter placement. Custom design queries are always welcome.

### Applications

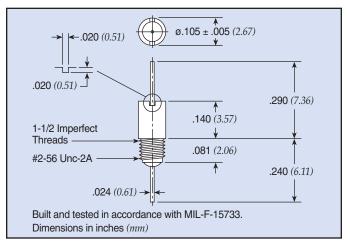
Spectrum Control's spanner filter offers superior insertion loss over a broad frequency range when compared to surface mount components. The filter is available in capacitance values up to 10,000 pF, and is featured in a microcircuit package used in microwave applications such as frequency synthesizers, power amplifiers, MMW radio, and is ideal for commercial and hi-reliability applications.

#### **Electrical Specifications**

Operating Temperature .... -55°C to +125°C Voltage Rating ..... 50 VDC Current Rating ..... 5 A Effective Filtering From .... 1 MHz to 10 GHz Capacitance ..... to 10,000 pF Dielectric Withstanding

Voltage ..... 125 VDC





## **Mechanical Specifications**

Center Spacing0.110"	
Lead FinishGold	
Bushing Finish Gold	
<i>Tightening Torque</i> 14 oz-in (± 2) (0.11Nm)	

#### **Insertion Tool**

Part Number: 54-874-020

Part Number*	Cap (pF)	Max. Tolerance	Circuit	Current	Voltage	DWV	I.R.	Temperature Range
54-874-010	10	+0%/-20%						
54-874-011	39	+50%/-20%						
54-874-012	100							
54-874-013	390							
54-874-014	1,000		С	5 A	50 VDC	125 VDC	1,000 MΩ	-55°C to +125°C
54-874-015	2,000							
54-874-016	3,300	+100%/-0%						
54-874-017	4,700							
54-874-018	10,000	+80%/-20%						