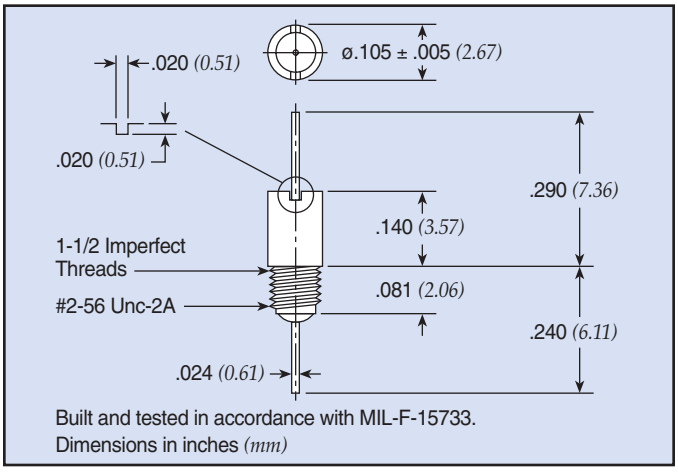
SPECTRUM CONTROL INC.

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.



Built and tested in accordance with MIL-F-15733.
Dimensions in inches *(mm)*

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 Spacing . . . . . .0.110"

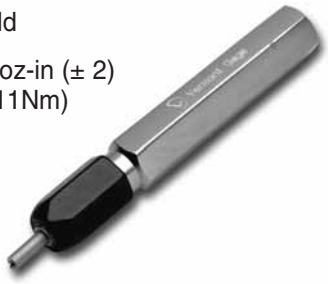
Lead Finish . . . . . Gold

Bushing Finish . . . . . Gold

Tightening Torque . . . . . 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%	C	5 A	50 VDC	125 VDC	1,000 MΩ	-55°C to +125°C
54-874-011	39	+50%/-20%						
54-874-012	100							
54-874-013	390							
54-874-014	1,000							
54-874-015	2,000							
54-874-016	3,300	+100%/-0%						
54-874-017	4,700							
54-874-018	10,000	+80%/-20%						

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