



2525 Shader Road, Orlando Florida 32804 USA
Phone: 407-298-2000 Fax: 407-293-2979
Website: mtronpti.com NYSE MKT: LGL

MtronPTI Miniature Low Profile Dual Filters

Using over 50 years of high performance RF filter design and manufacturing experience – incorporating custom designed and tuned coils, combined with discrete design expertise, MtronPTI can provide miniature low profile dual filters for applications where space is a constraint. Dual filters not only reduce the overall mechanical footprint, but also offer moderate power handling and excellent out of band performance.

Features: Low Insertion Loss, Moderate Power Handling, Excellent out of band performance, Low Profile and Reflow Compatible

Applications: Avionics, Electronic Warfare, Military Communications, Satcom

I. Representative Electrical Parameters :

1. Lower Pass Filter -1:

Passband Frequency Range: 1840MHz to 2600MHz

Passband Insertion Loss (IL): 0.75dB Maximum

Passband Return Loss: 20dB, Minimum

Stop Band Rejection:

3680 -7800MHz: 55dBc, Minimum

7360-10400MHz: 70dBc, Minimum

2. High Band Filter(P2 to Common Port):

Passband Frequency Range: 1300MHz to 1840MHz

Passband Insertion Loss (IL): 0.75dB Maximum

Passband Return Loss: 20dB, Minimum

Stop Band Rejection:

2600 -5520MHz: 55dBc, Minimum

5200-7360MHz: 70dBc, Minimum

3. General Specifications:

RF Power Handling: 15W CW (Over full operating temperature range)

Input/Output Impedance: 50 ohms Nominal

MtronPTI Miniature Low Profile Dual Filters

II. Environmental & Physical Requirements:

Environmental

Temperature:

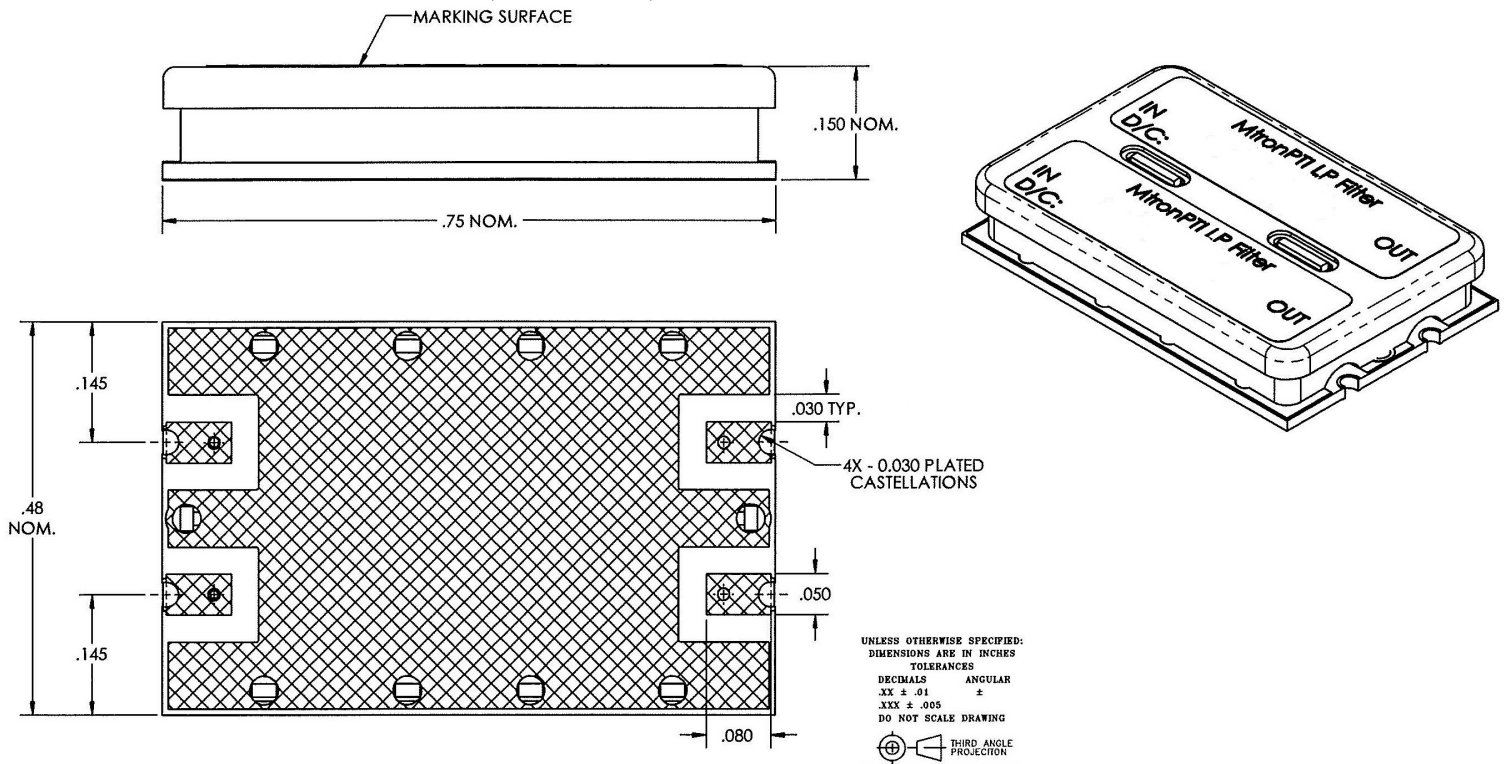
Operating (OTR): -40°C to +85°C

Storage (STR): -45°C to +90°C

Package:

Size: 0.75" x 0.48" x 0.15" See Figure 1.

Shock: Shock: Per MIL-STD-202, Method 213, Test Condition A.



III. Datasheet Revision Table:

Date	Rev.	Orig.	Details of Revision
05-07-18	A	DPD	Original Draft