



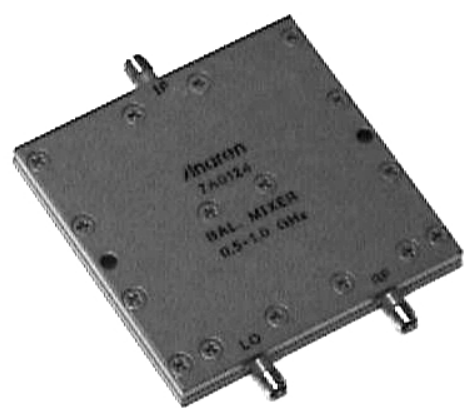
# Model 7A0124

## Mixers

Balanced, OrthoQuad®

### Applications

- Down Converters
- Demodulators
- Pulse Modulators
- Current Controlled Attenuators
- Phase, Frequency Discriminators



### Features

- Military Grade
- Good LO/RF Isolation
- Connectors Per MIL-C-39012
- Low Conversion Loss
- Good Intermodulation Performance
- Good LO/RF VSWR

### Electrical Specifications

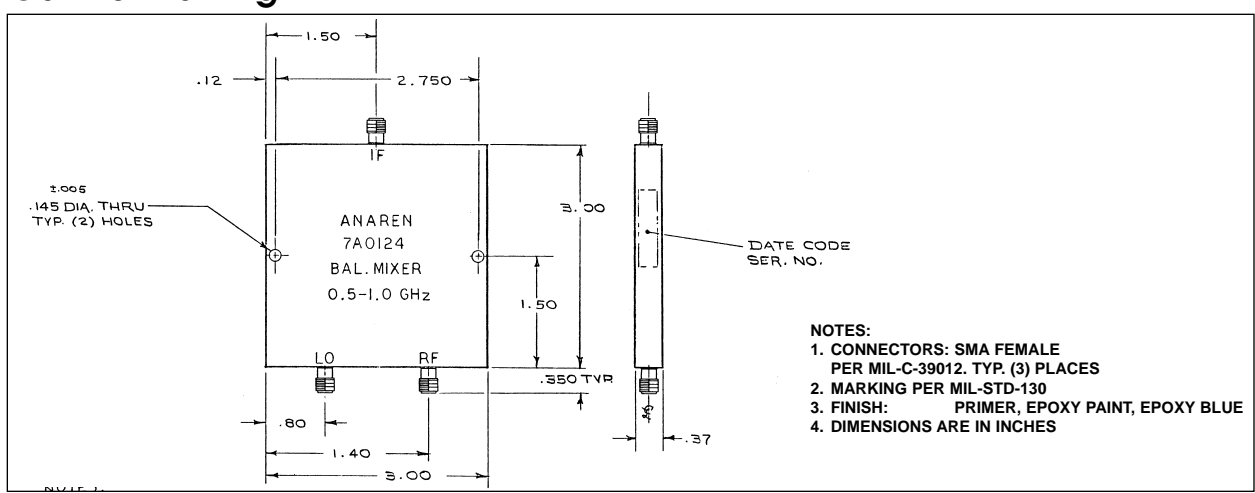
Frequency GHz	Isolation <sub>LO-RF</sub> dB Min/Typ	Convers. Loss dB Max/Typ	VSWR <sub>RF, LO</sub> Max/Typ :1
0.5 - 1.0	20/25	7.5/6.5	1.6/1.2
Noise Fig. <sup>1</sup> dB Max	IF Freq. <sup>2</sup> MHz		
8.5/7.5	DC-150		

**Note:** Impedance: 50 ohms nominal. Operating temperature -54 to +95°C. LO drive of +8 dBm. All measurements are made in 50 ohm system. For biased models, conversion loss and noise figures specify @ 0 dBm LO power. Mixers have internal bias networks that allow operation over LO dynamic range ≥ 20 db while maintaining optimum conversion loss.

**Electrical and Mechanical Specifications subject to change without notice.**

<sup>1</sup>Noise figure is single sideband using a 30 MHz amplifier having a noise of 1.5 dB. <sup>2</sup>Upper IF frequency is the -3dB response point.

### Outline Drawing



- NOTES:**
1. CONNECTORS: SMA FEMALE PER MIL-C-39012, TYP. (3) PLACES
  2. MARKING PER MIL-STD-130
  3. FINISH: PRIMER, EPOXY PAINT, EPOXY BLUE
  4. DIMENSIONS ARE IN INCHES



Sales Desk USA: Voice: (800) 544-2414 Fax: (315) 432-9121  
 Sales Desk Europe: Voice: (+44) 23 92 232392 Fax: (+44) 23 92 251369

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Anaren:](#)

[7A0124](#)