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# MINIATURE 50W LOW PASS FILTER

## TYPICAL APPLICATIONS



Military



Base Stations



Handheld Radios



Test Equipment



Emergency Services



Active Antenna

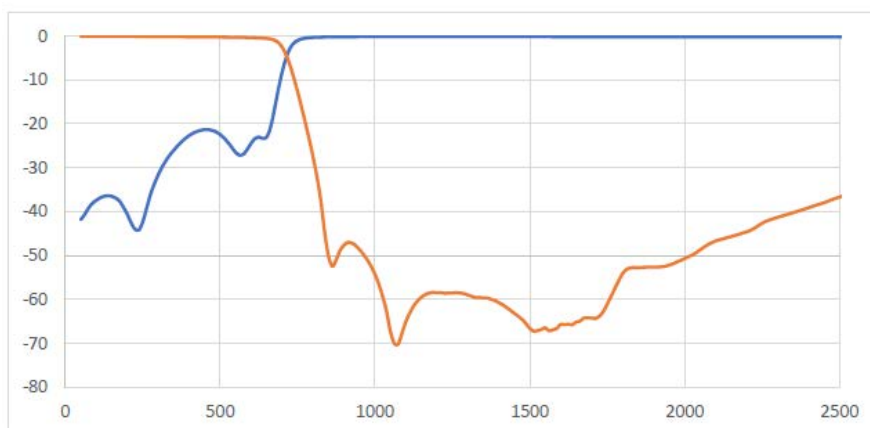
## GENERAL OVERVIEW

KYOCERA AVX introduced a new line of **ultraminiature, High Power Low Pass Filters** for high-power applications.

The new **50W Low Pass Filters** based on Thin-Film technology deliver excellent high-frequency performance with **low insertion loss** and **extremely sharp attenuation** in miniature size (0.67x0.55 in) \ (17x14mm).

## ADVANTAGES

- 50 Watt continuous power handling
- Miniature size (0.67x0.55 in) \ (17x14 mm)
- Low Insertion Loss
- Steep Roll-Off
- High Repeatability Lot-to-Lot and Part-to-Part
- Temperature Stability
- Short Lead Time



## Thin Film Products

- Accu-P Tight Tolerance Capacitors
- Accu-L Tight Tolerance Capacitors
- High Directivity Couplers

- Wide Band Couplers
- Hybrid 3dB 90 Couplers
- Band Pass Filters

- Low Pass Filters
- Low Current Fuses

## ADVANTAGES

- Low Insertion Loss
- Steep Roll-Off
- High Repeatability
  - Part-to-Part
  - Lot-to-Lot
- Temperature Stability
- Custom Made Filters
- Short Lead Time:  
4 - 10 Weeks ARO

## TYPICAL APPLICATIONS



Base Stations



Handheld Radios



Active Antenna



Automotive



Consumer



Military



Test Equipment

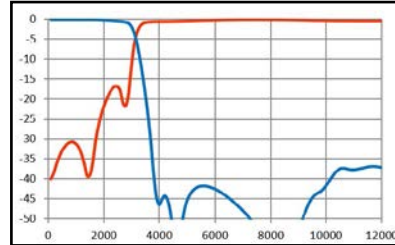


Emergency Services

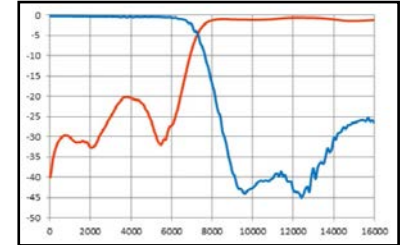
## LOW PASS FILTERS

**Power Handling:** 1W in 0402, 3W in 0603, 8W in 0805, 12W in 1206, 20W in 2816

**Wide Operating Frequency:** 470 MHz - 10 GHz



1206 size, 3.5 GHz LPF 12W

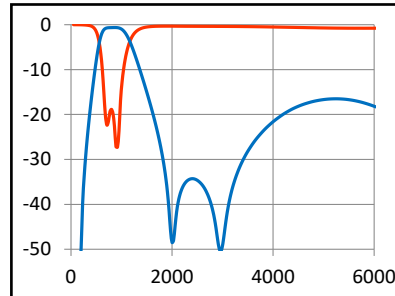


0805 size, 6 GHz LPF 8W

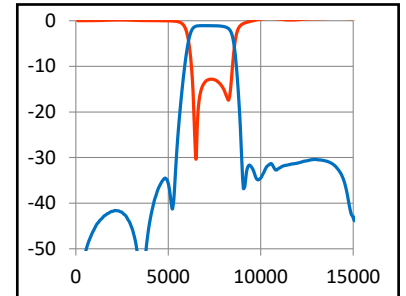
## BAND PASS FILTERS

**Power Handling:** 5W in 0805, 8W in 1206

**Wide Operating Frequency:** 800 MHz - 7.5 GHz



1206 size  
Central Frequency: 0.8 GHz  
Passband: 250 MHz

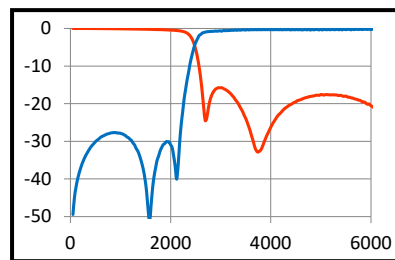


0805 size  
Central Frequency: 7.25 GHz  
Passband: 1.25 GHz

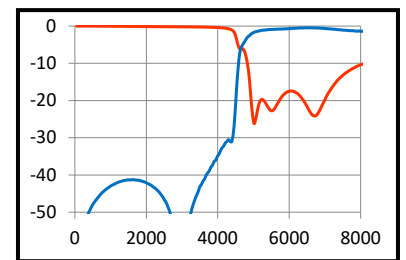
## HIGH PASS FILTERS

**Power Handling:** 5W in 0805, 8W in 1206

**Wide Operating Frequency:** 1.0 GHz - 6.0 GHz



0805 size, 2.7 GHz HPF 5W



0805 size, 5.15 GHz HPF 5W

**\*\*KYOCERA AVX Thin Film Technology allows quick adjustments of RF parameters**

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