

Winchester Electronics Presents...

# Mid-Size Video Jacks

## 7772 & 7790 Series Analog or Digital, SD or HD Compliant

### Product Benefits

- Meets SMPTE 424M (3G-SDI) and HDTV standards
- Offers higher panel density and increased frequency range
- Mates with standard BNC plugs and mid-size (0.050" center pin) patch plugs
- 75 Ohm - suitable for Analog, Serial Digital, and HDTV applications
- Terminated, unterminated, and feed-through versions available in dual or single configurations



### Specifications

#### Electrical

<i>Impedance</i>	75 Ohms
<i>Frequency Range</i>	Dual Jacks: DC to 4.1 GHz Single Jacks: DC to 3.0 GHz
<i>Return Loss</i>	Dual Jacks: -20 dB up to 2.4 GHz -10 dB up to 4.1 GHz Single Jacks: -20 dB up to 1.5 GHz (self-terminated) -10 dB up to 3.0 GHz

#### Material

<i>Body</i>	Brass or Zinc Alloy
<i>Contacts</i>	Beryllium Copper
<i>Springs</i>	Beryllium Copper
<i>Insulators</i>	Teflon®
<i>Dielectrics</i>	Topas®

#### Environmental

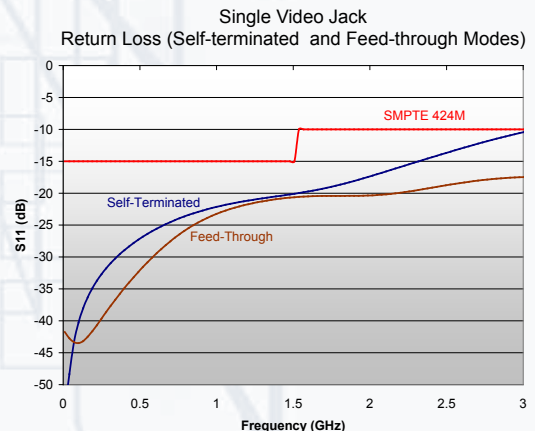
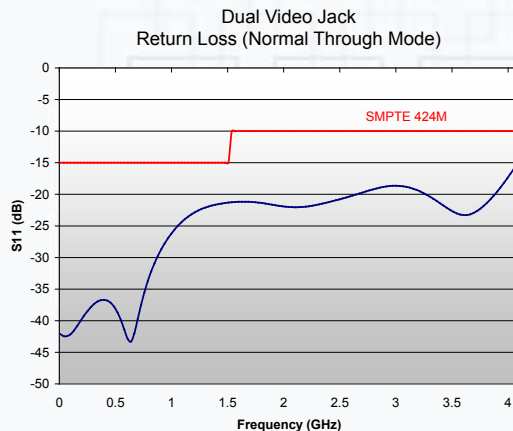
<i>Temperature Range</i>	-40°C to +85°C
<i>Moisture Resistance</i>	MIL-STD-202, Method 106
<i>Corrosion</i>	MIL-STD-202, Method 101

#### Mechanical

<i>Life</i>	30,000+ Cycles
<i>Withdrawal Force</i>	2.0 lbs. minimum

#### Finishes

<i>Body</i>	Nickel
<i>Contacts</i>	Gold

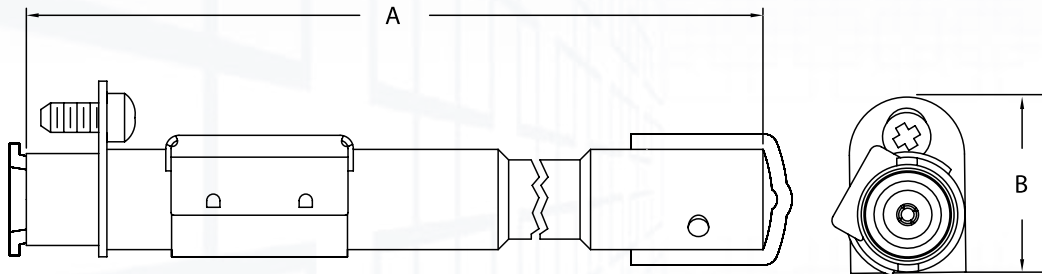


## 7772 & 7790 Series Mid-Size Video Jacks

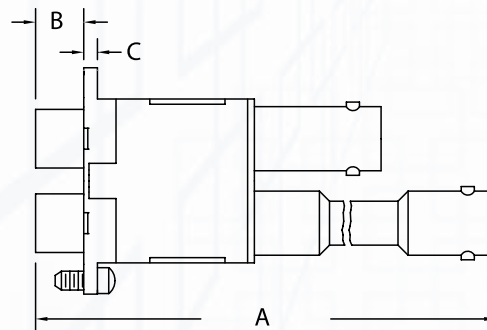
Video Jack		Dimensions		
P/N	Description	A	B	C
7772-1	Single, Unterminated, Short	2.060	0.665	
7772-2	Single, Unterminated, Long	3.389	0.665	
7772-3	Single, Terminated, Short	2.060	0.359	0.665
7772-4	Single, Terminated, Long	3.389	0.359	0.665
7790-2	Dual Normal Terminated	3.375	0.285	0.081
7790-3	Dual Normal Unterminated	3.375	0.285	0.081
7790-4	Dual Feed Thru Mode	3.375	0.285	0.081

## Dimension Drawings - Single and Dual

### Single



### Dual



Video Jackfield	
P/N	Configuration
7795-1	1x24 Term
7795-11	1x30 Term
7795-12	1x32 Term
7795-13	1x34 Term
7795-14	1.5x32 Term

*Connecting Innovation to Application*<sup>®</sup>