

## Applications

Prose CAT.6 keystone jacks are components of the cabling system. They are applied in structured premise cabling and data center cabling and used with outlet faceplate and modular patch panel. 10baseT Ethernet

- 100baseTX Fast Ethernet
- 1000baseTX Gigabit Ethernet
- 155Mbit ATM
- 622Mbit ATM
- TR-16 Active
- TR-16 Passive

## Performance

- Prose Cat6 keystone Jacks meet and exceed ANSI/TIA-568.2-D requirements.
- Outstanding performance,(including IR, NEXT, FEXT and RL), which ensure the high link performance.
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires.



## Electrical Performance at 20°C

- Voltage rating 125 VAC RMS
- Current rating 1.5 AMP
- Contact resistance 20 m $\Omega$  Max.
- Insulation resistance 100M $\Omega$  Min. @ 500V DC
- Dielectric strength 750V AC RMS 60Hz 1MIN
- Unbalance capacitance  $\leq$ 330pF/100m

## Mechanical Performance

- Housing material PC UL94V-0
- Insert material PC+20%GF UL94V-0
- PCB material FR-4
- Contact material Phosphor bronze

- IDC contact material                      Phosphor bronze with silver or nickel plating
- Wire    AWG 22 ~ 26
- Life (plug in /out)                           $\geq 750$  times
- IDC life     $\geq 200$  times

## Electrical Performance at 20°C

Frequency (MHz)	Attenuation(dB/100m)	NEXT(dB)	RL (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
	Max.	Min.	Min.	Min.	Min.	Min.
1.0	0.1	75.0	30.0	73.0	83.1	80.1
4.0	0.1	75.0	30.0	72.3	71.1	68.1
8.0	0.1	75.0	30.0	71.0	66.1	65.4
10.0	0.1	74.0	30.0	70.0	63.1	60.1
16.0	0.1	69.9	30.0	65.9	59.0	56.0
20.0	0.1	68.0	30.0	64.0	57.1	54.1
25.0	0.1	66.0	30.0	62.2	53.2	52.6
31.25	0.11	64.1	30.0	60.1	50.0	50.2
62.5	0.16	58.1	28.1	54.1	47.2	44.2
100.0	0.20	54.0	24.0	50.0	43.1	40.1
200.0	0.28	48.0	18.0	44.0	37.1	34.1
250.0	0.32	46.0	16.0	42.0	35.1	32.1

## Ordering Information

Order Number	Description
KS60-221-1MT	Keystone Jack,RJ45,Cat6,Zinc Alloy Shielded,180°,Tolless,MT