

# KMJ – Keystone Modular Jack

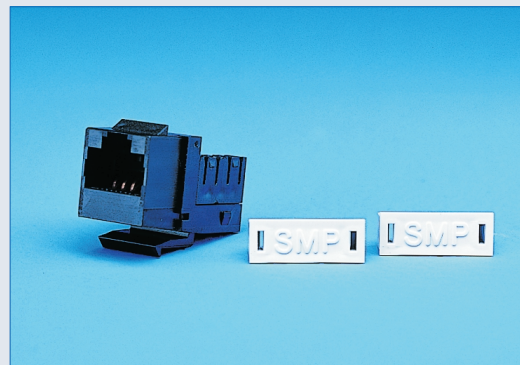
## Category 5e – Snap-in Jack



Part Number: KMJEFS8B02



Part Number: KMJVL8A/B02



SPECIFICATION SHEET

### PRODUCT DESCRIPTION:

SMP's Extended Frequency System (EFS™) Category 5e Keystone utilize SMP's patented PC board technology or Lead Frame Jacks, configured 568A or 568B, featuring 110 IDC connectors. Provide a direct 110 punch-down with termination.

Fits any Keystone port opening 14,7x20mm faceplates.

The keystone jack does not use the bezel system for port color coding and port identification. Check faceplate port opening size to insure correct fitting.

### FEATURES:

- Jacks meet FCC part 68 Sub Part F horizontal row
- T568B and T568A wiring configuration
- UL listed
- CSA certified

### TESTING COMPLIANCE

- ANSI/TIA/EIA-568-A
- ANSI/TIA-EIA-568-A-2
- ANSI/TIA-EIA-568-A-5
- ISO/IEC 11801 - 2000 2<sup>nd</sup> edition
- ANSI/TIA/EIA-568-B.2 Category 5e

### MATERIAL:

- All plastic components are high impact self-extinguishing, rated 94V-0
- Modular jack contacts: copper alloy, with 59 50 µm of hard gold over 100 µm of nickel
- IDC contacts: copper alloy, tin/lead alloy plating
- Durability: modular jack, meets or exceeds IEC 603-7 class A IDC, meets or exceeds EIA/TIA 568-A

### APPLICATION SUPPORT LIST

- Voice
- 4/16 Mbps Token Ring
- 100 VG Any LAN
- 100 Mbps TP-PMD
- 155/622 Mbps ATM
- 10BASE-T Ethernet
- 100BASE-TX Fast Ethernet
- 1000BASE-T Gigabit Ethernet
- Broadband video
- All other applications developed for operation over category 5e or new class D cabling

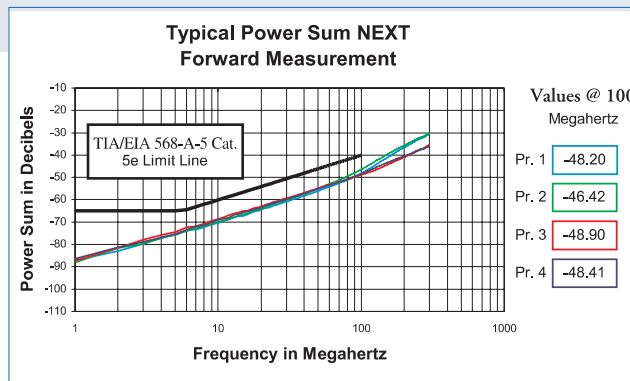
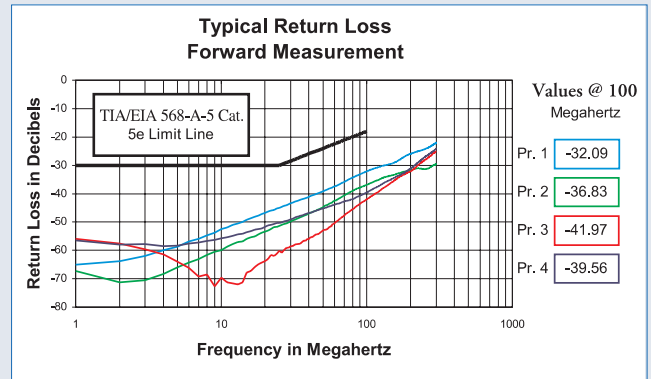
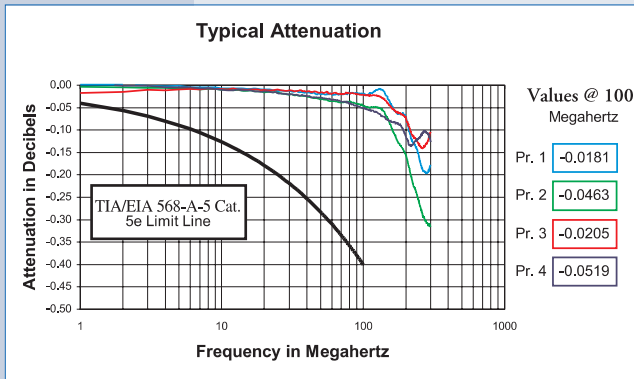
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### CATEGORY 5e EFS JACK TRANSMISSION PERFORMANCE

SPECIFICATION SHEET



#### Typical Attenuation

	1 MHz	4 MHz	8 MHz	10 MHz	16 MHz	20 MHz	25 MHz	31 MHz	63 MHz	100 MHz
<b>Pair 1</b>	0.0009	-0.0025	-0.0047	-0.0071	-0.0081	-0.0092	-0.0133	-0.0136	-0.0215	-0.0181
<b>Pair 2</b>	-0.0036	-0.0059	-0.0082	-0.0104	-0.0110	-0.0156	-0.0173	-0.0200	-0.0363	-0.0463
<b>Pair 3</b>	-0.0167	-0.0118	-0.0070	-0.0085	-0.0087	-0.0103	-0.0093	-0.0120	-0.0177	-0.0205
<b>Pair 4</b>	0.0045	-0.0045	-0.0071	-0.0104	-0.0120	-0.0141	-0.0181	-0.0192	-0.0330	-0.0519

#### Typical Return Loss Forward Measurements

	1 MHz	4 MHz	8 MHz	10 MHz	16 MHz	20 MHz	25 MHz	31 MHz	63 MHz	100 MHz
<b>Pair 1</b>	-65.08	-59.91	-54.76	-52.54	-48.60	-46.81	-44.92	-43.17	-36.97	-32.09
<b>Pair 2</b>	-67.21	-68.31	-61.63	-59.87	-55.47	-53.40	-51.35	-49.37	-42.00	-36.83
<b>Pair 3</b>	-55.93	-61.40	-68.43	-69.54	-67.31	-63.76	-60.10	-58.57	-49.60	-41.97
<b>Pair 4</b>	-56.52	-58.57	-56.67	-55.82	-53.16	-51.74	-50.28	-48.77	-43.62	-39.56

#### Typical Power Sum Near End Crosstalk Forward Measurements

	1 MHz	4 MHz	8 MHz	10 MHz	16 MHz	20 MHz	25 MHz	31 MHz	63 MHz	100 MHz
<b>Pair 1</b>	-87.23	-76.75	-72.29	-70.49	-66.47	-64.43	-62.48	-60.49	-53.70	-48.20
<b>Pair 2</b>	-88.16	-77.26	-71.67	-69.88	-66.09	-64.14	-61.81	-59.85	-52.38	-46.42
<b>Pair 3</b>	-87.35	-75.78	-70.74	-68.68	-64.86	-62.92	-60.85	-59.08	-52.82	-48.90
<b>Pair 4</b>	-86.47	-77.05	-71.36	-68.94	-65.27	-63.55	-61.16	-59.52	-52.93	-48.41