

Category 6E Unshielded French Style Modules

DataLink 250E

GENERAL PROPERTIES

JACK	
Plastic Housing	Polycarbonate, UL94V-0.
Operating Life	Minimum 750 insertion cycles.
Contact Material	Copper Alloy.
Contact Plating	50 μ " Gold/100 μ " Nickel.
Contact Force	1N min.
Plug Retention Force	70N min.
IDC	
Plastic Housing	Polycarbonate, UL94V-0.
Operating Life	200 re-terminations min.
Contact Material	Copper Alloy IDC.
Contact Plating	Tin/Lead RoHS compliant alloy.
Contact Force	1N min.
Wire Accommodation	22-24 AWG solid conductors.

TRANSMISSION AND ELECTRICAL SPECIFICATIONS

FREQ.	Insertion Loss	NEXT	FEXT	RL
MHz	dB/100m	dB	dB	dB
	Max	Min	Min	Min
1.00	0.02	85.0	84.0	53.0
4.00	0.02	81.0	75.0	54.0
8.00	0.02	78.0	70.0	56.0
10.00	0.03	77.0	68.0	57.0
16.00	0.03	73.0	58.0	58.0
25.00	0.04	70.0	60.1	60.0
31.25	0.04	68.0	59.0	57.0
62.50	0.05	64.0	53.0	44.0
100.00	0.06	60.0	49.0	34.0
200.00	0.06	55.0	43.0	23.0
250.00	0.08	52.0	41.0	20.0

Propagation Delay	2.5 nS max @ 1-250 MHz
Propagation Delay Skew	1.25 nS max @ 1-250 MHz
Current Rating	1.5 A max.
Contact Resistance	20 mOhm max (per contact)
Input/Output Resistance	200 mOhm max
Input/Output Resistance Unbalance	50 mOhm max
Voltage Rating	72 Vdc max
Dielectric Strength	1000 Volts rms for 1 minute
Insulation Resistance	100 MegaOhm min @ 500 Vdc
DC Resistance	0.1 Ohm max @ 20C
TCL	28-20-Log(f/100) dB min @ 1-250 MHz
Transfer Impedance	N/A

ORDERING INFORMATION

HCS P/N	Description	Color	Blocks	T568
W6E-008D1	8P8C RJ-45 Unshielded CAT 6E 45x45mm French Style Angled Shuttered Module	White	110 IDC	UNI
W6E-008D2	8P8C RJ-45 Unshielded CAT 6E 22.5x45mm French Style Angled Shuttered Module	White	110 IDC	UNI