



CATEGORY 6 CHARACTERISTIC

Frequency	Near-End Cross Talk Return Loss	Attenuation
dB, MIN.	dB, MIN.	dB, MAX.
10 MHz	75.0	35.5
4.0 MHz	75.0	35.5
100 MHz	74.0	35.5
16.0 MHz	69.9	35.5
25.0 MHz	66.0	35.5
31.25 MHz	64.1	34.1
62.5 MHz	58.1	28.1
100.0 MHz	54.0	24.0
200.0 MHz	48.0	18.0
250.0 MHz	46.0	16.0

- NOTES:
- ELECTRICAL:
- VOLTAGE RATING : 125 VAC RMS.
 - CURRENT RATING : 1.5 AMP.
 - CONTACT RESISTANCE : 35 MILLIOHMS MAX.
 - INSULATION RESISTANCE : 1000 MEGOHMS @ 500 VDC. MIN.
 - DIELECTRIC STRENGTH : 1000 VAC RMS 60HZ. 1MIN.
- MECHANICAL:
- HOUSING MATERIAL : HIGH TEMP. UL94V-0.
 - CONTACT MATERIAL : PHOSPHOR BRONZE T=0.35mm.
 - SHIELD MATERIAL : COPPER ALLOY T=0.20mm.
 - PLATING : 500" GOLD ON CONTACT AREA
100-200" TIN ON SOLDER AREA
ALL OVER 30-50" NICKEL
 - OPERATING LIFE : 750 CYCLES MIN.
 - PCB RETENTION PRE-SOLDER : 1 LB MIN.
 - PCB RETENTION POST-SOLDER : 10 LBS MIN.
- ENVIRONMENTAL:
- STORAGE : -40°C TO +85°C
 - OPERATION : -40°C TO +85°C.
- MATES WITH MODULAR PLUG CONFORMING TO TIA-1096-A.

PC Board Layout t=1.6 mm
Component Side Show

RoHS compliant
Unit: mm



Scale	Free
TOLERANCE	
.X	±0.20
.XX	±0.15
.XXX	±0.10
DIM	TOL
Angle	±5°

Id.	Modification	Date	Name
⑤	Modify drawing and add UL	24.03.2017	Amy
④	Update the contact plating	25.08.2015	Amy
③	Correct contact plating	14.07.2009	Dean
②	Update	06.07.2009	Dean
①	Drawn	14.01.2003	A.Menk

Date	Name
14.01.2003	A.Menk
24.03.2017	Amy

Customer-No.	ASSMANN WSW-No.	Drawing-No.
	AMJ-188-30101-CAT6	ASS 1572 CO

ASSMANN
components

Replace
rev05
Sheet

1

2

3

4

5

6

7

1

2

3

4

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6

7