



PC Board Layout t=1,6mm  
Component Side Show

CATEGORY 6 CHARACTERISTICS:

Frequency	Near-End Cross Talk	Return Loss	Attenuation
	dB, MIN.	dB, MIN.	dB, MAX.
10 MHz	75,0	35,5	0,1
4,0 MHz	75,0	35,5	0,1
10,0 MHz	74,0	35,5	0,1
16,0 MHz	69,9	35,5	0,1
25,0 MHz	66,0	35,5	0,1
31,25 MHz	64,1	34,1	0,1
62,5 MHz	58,1	28,1	0,1
100,0 MHz	54,0	24,0	0,2
200,0 MHz	48,0	18,0	0,3
250,0 MHz	46,0	16,0	0,3

CATEGORY 6 CHARACTERISTICS:

- 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 : FR62 UL94V-0.
  - CONTACT MATERIAL : PHOSPHOR BRONZE T=0,35mm.
  - SHIELD MATERIAL : COPPER ALLOY T=0,20mm.
  - PLATING : 50µ" GOLD ON CONTACT AREA  
100-200µ" TIN ON SOLDER AREA  
ALL OVER 30-50µ" 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 : 0°C TO 70°C
  - CAT-Class : CAT6
  - WAVE SOLDERING TEMPERATURE: 265 ~ 285°C(5-10 SECONDS)
- MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.

**RoHS compliant**  
Unit: mm



File No.: E345352

Scale	Free	⑦	Add solder temperature	28.07.2017	Amy
TOLERANCE		⑥	Update the contact plating	25.08.2015	Amy
.X	±0.20	⑤	Update	26.06.2013	Winnie
.XX	±0.15	④	Add UL No	21.02.2013	Fancy
.XXX	±0.10	③	Update	06.07.2009	Dean
DIM	TOL	②	Update	03.06.2008	N.Schulz
Angle	±5°	Id.	Modification		

Date	Name	Customer-No.
14.01.2004	A.Menk	ASSMANN WSW-No.
28.07.2017	Amy	AMJ-188-00101-CAT6

Drawing-No. ASSMANN WSW components

Replace ASS 1570 CO rev07 Sheet

1 2 3 4 5 6 7

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