



PC Board Layout t=1.6mm  
Component Side Show

CATEGORY 6 CHARACTERISTIC:

Frequency	Near-End Cross dB, MIN.	Tdlik Return Loss dB, MIN.	Attenuation dB, MAX.
1.0 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

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:

- INSULATION MATERIAL : PA6T For Housing, PBT For Insert, BK, UL94V-0.
- CONTACT MATERIAL : PHOSPHOR BRONZE T=0.35mm.
- SHIELD MATERIAL : COPPER ALLOY T=0.20mm.
- PLATING : 50u" GOLD ON CONTACT AREA  
100~200u" TIN ON SOLDER AREA  
ALL OVER 30~50u" 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: 255 ~ 265°C(5~10 SECONDS)
- MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.

**RoHS compliant**  
Unit: mm



File No.: E345352

Scale	Free	⑨	Update	05.01.2024	Segal		Date	Name	Customer-No.
TOLERANCE		⑧	Update insulation material	27.07.2021	Luca	Drawn	14.01.2004	A.Menk	
.X	±0.20	⑦	Add solder temperature	28.07.2017	Amy	Approved	05.01.2024	Segal	ASSMANN WSW-No. AMJ-188-00101-CAT6
.XX	±0.15	⑥	Update the contact plating	25.08.2015	Amy				Drawing-No.
.XXX	±0.10	⑤	Update	26.06.2013	Winnie				ASS 1570 CO rev09
DIM	TOL	④	Add UL No	21.02.2013	Fancy				Replace
Angle	±5°	Id.	Modification	Date	Name	 A company of BCS			Sheet



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