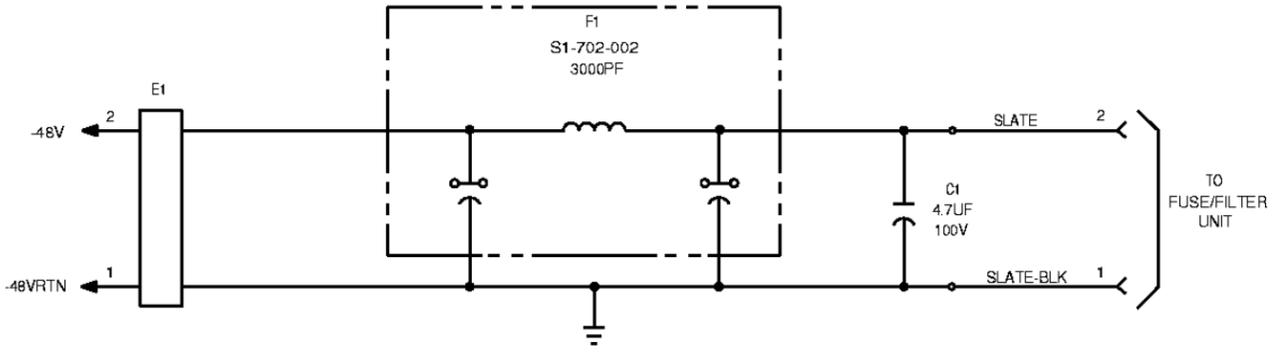


0 1 2 3 4 5 6 7 8 9

DWG ISS	CD ISS	DATE ISSD	DRN	APP
1	1	8/23/91		

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FS 1 POWER LINE FILTER



APP FIG. 1

CAPACITOR		
DESIG	FS LOC	CODE
C1	1D6	WP-90680.L14

PI FILTER		
DESIG	FS LOC	CODE
F1	1C5	S1-702-002

FERRITE		
DESIG	FS LOC	CODE
E1	1D4	28B0999-000

USED ON	
PROJECT	CONTROL
5ESS/ INTERNATIONAL	IH

SUPPORTING INFORMATION

CATEGORY	NO.	SHEET INDEX NOTES
		<ol style="list-style-type: none"> ONLY THE LATEST ISSUE, OR ISSUES IF CONCURRENT, ARE SHOWN IN THE INDEX. FOR REISSUES, A CHANGED OR NEW SHEET IS ASSIGNED THE SAME ISSUE NUMBER AS SHEET 1. THE ISSUE NUMBER OF SHEET 1 IS RECOGNIZED AS THE ISSUE NUMBER OF THE WHOLE DRAWING.

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AT15

ELECTRONIC SWITCHING EQUIPMENT

5ESS[®]/INTERNATIONAL
POWER LINE FILTER UNIT
CIRCUIT

DWG SIZE C2	ISSUE 1
AT&T	SD-5D500-01
SHEET 3	A1

0 1 2 3 4 5 6 7 8 9

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
BATTERY SYMBOL		VOLTAGE RANGE	

EQUIPMENT NOTES:

201. POWER LINE FILTER UNIT TEST PROCEDURE

FACTORY TEST PROCEDURE FOR THE POWER LINE FILTER UNIT FOR ELECTROMAGNETIC INTERFERENCE (EMI) VERSION OF THE INTERNATIONAL 5ESS SWITCH.

1. DURING THE ASSEMBLY OF THE POWER LINE FILTER UNIT, A CRITICAL QUALITY ASSURANCE CHECK WILL BE PART OF THE TEST PROCEDURE, BEFORE AND AFTER SOLDERING AND ASSEMBLY. THE FOLLOWING WILL BE DONE BEFORE THE COVER IS RIVETED ON THE (EMI) POWER LINE FILTER UNIT.

(A) VISUALLY INSPECT THE PHYSICAL INTEGRITY AND PLACEMENT OF THE FERRITE CORE (E1).

(B) VISUALLY INSPECT THE PHYSICAL INTEGRITY OF THE FEED THRU FILTER (F1).

2. AFTER ASSEMBLY, AND THE COVER IS RIVETED, A COMPLETE FOUR POINT CONTINUITY CHECK MUST BE MADE WITH AN OHMMETER, AS FOLLOWS.

(A) -48V SOCKET (#2) IN PLUG SLATE GRAY WIRE TO -48V PIN (#2) IN RECEPTACLE. SHORT

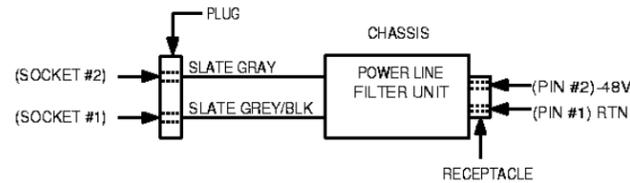
(B) -48V SOCKET (#2) IN PLUG SLATE GRAY WIRE TO CHASSIS. OPEN

(C) RTN SOCKET (#1) IN PLUG SLATE GRAY - BLK WIRE TO CHASSIS. SHORT

(D) RTN PIN (#1) IN RECEPTACLE TO CHASSIS. SHORT

3. A MEASUREMENT WITH A CAPACITANCE METER BETWEEN THE -48V SOCKET (#2) SLATE GRAY WIRE IN PLUG AND RTN SOCKET (#1) SLATE GRAY - BLK WIRE IN THE PLUG. 3.75 - 5.5 UF

STEPS (2) AND (3) ABOVE WILL FIND ALL FAULTS EXCEPT A MISSING FERRITE CORE OR A PARTIALLY DAMAGED FEED THRU. THESE TWO POSSIBILITIES ARE COVERED IN STEP (1) OF THE TEST PROCEDURES.



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POWER LINE FILTER UNIT

DWG SIZE
C2

ISSUE
1

AT&T

SD-5D500-01

SHEET
D1

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INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED, ALL RESISTANCE VALUES ARE IN OHMS. CAPACITANCE VALUES ARE IN MICROFARADS. VALUES PRECEDED BY THE SYMBOL +(PLUS) OR -(MINUS) ARE IN VOLTS.

302.

FEATURE OR OPTION	PROVIDE		
	APP FIG	APP OR WRG	QUANTITY

303.

RECORD OF APP FIGURES, WIRING AND APPARATUS CHANGES					
CHANGED ON ISS.	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN.	SEE NOTE	USE IN CIRCUIT	
				AVAIL.	DA

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POWER LINE FILTER UNIT		
DWG SIZE C2	ISSUE 1	
AT&T	SD-5D500-01	SHEET D2