

S E R V I C E N O T E

SUPERSEDES: None

3764A Digital Transmission Analyzer

Serial Numbers: 2322U00101 / 2827IU02887
2847U02888 / 3026U03693

Duplicate Service Notes: None

Preferred replacement of FETs Q1 and Q2 (p/n 1854-0454) on A0 Assembly.

Situation:

At low main voltage (typically 100V), the temperature ratings of FET's Q1 and Q2 on A0 Assemblies p/n 03764-60000 and p/n 03764-60300, are marginal. This is particularly the case with Option 007 instruments. Newer instruments have been fitted with FETs which have a higher temperature rating.

Solution:

When replacing the FETs, the preferred replacement for Q1 and A2 is part number 1854-0536.

Note: If the FETs fail, they may also result in the failure of the following associated components on A0 Assembly;

R1 and R2	Resistor, 19.6 Ohm	0698-7195
CR1 to CR4	Diode-Zener 20V	1902-0965

Check these components and replace if necessary.

DATE: 20 March 1992

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	☐ IMMEDIATELY ☒ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: Labor 1.0 Hours	
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☐ ON-SITE ☒ SERVICE CENTER	SERVICE INVENTORY: ☐ RETURN ☐ SCRAP ☐ SEE TEXT	USED PARTS: ☐ RETURN ☐ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		AGILENT RESPONSIBLE UNTIL: 20 March 1994
AUTHOR: JH	ENTITY: 1400	ADDITIONAL INFORMATION:;	

