



A DOVER COMPANY

TEST DATA

K&L DESCRIPTION 3L84D-30/T 1.5.010 K&L ORDER NO. E39767
 CUSTOMER P/N N/A TEST ENGINEER T. [Signature]
 SERIAL NO. 1,2,3 O.C. INSPECTOR [Signature]
 EQUIPMENT ES071C CALIBRATION Repease DATE: 9-22-08 QA

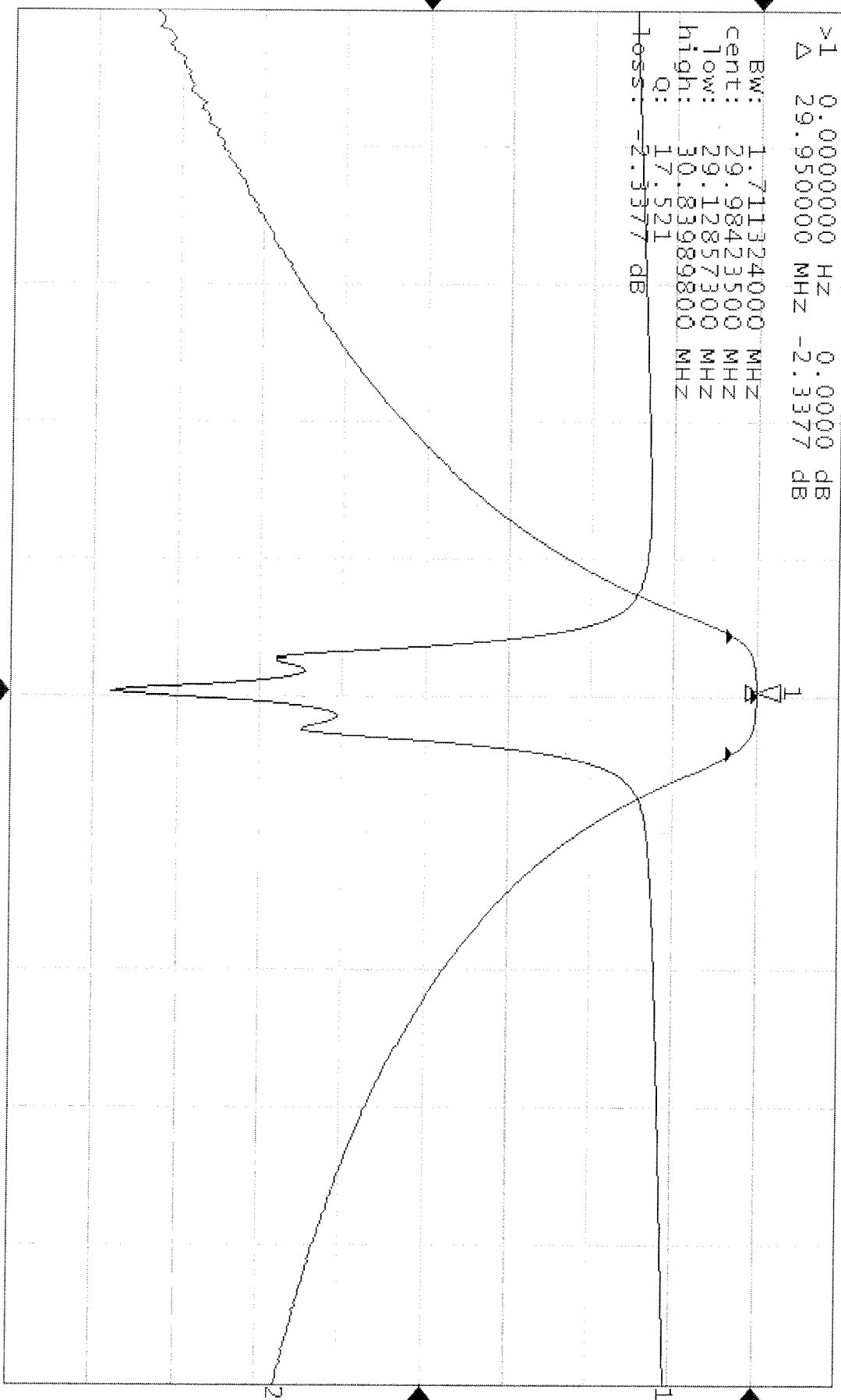
TEST RESULTS

SPECIFICATIONS	SERIAL NO.(S)	1	2	3						
CENTER FREQ. _____ MHz										
RELATIVE BANDWIDTH										
<u>3</u> dB BW <u>29.25</u> MHz		<u>29.12</u>	<u>29.10</u>	<u>29.15</u>						
to _____ MHz		<u>30.85</u>	<u>30.82</u>	<u>30.84</u>						
_____ dB BW _____ MHz										
to _____ MHz										
RIPPLE _____ dB										
FLATNESS _____ dB										
INSERTION LOSS _____										
<u>30</u> MHz <u>3.5</u> dB		<u>2.3</u>	<u>2.3</u>	<u>2.3</u>						
_____ MHz _____ dB										
VSWR <u>1.5:1</u> Max.										
_____ MHz _____ MHz		<u>29.31</u>	<u>29.29</u>	<u>29.36</u>						
_____ MHz _____ MHz		<u>30.65</u>	<u>30.59</u>	<u>30.61</u>						
PHASE _____ degs.										
_____ MHz _____ MHz										
_____ MHz _____ MHz										
GROUP DELAY _____ ns										
_____ MHz _____ MHz										
STOPBAND REJECTION _____										
<u>44</u> dB _____ MHz		<u>49.6</u>	<u>49.4</u>	<u>50.3</u>						
<u>36</u> dB _____ MHz		<u>42.5</u>	<u>42.6</u>	<u>43.0</u>						
_____ dB _____ MHz										
_____ dB _____ MHz										
VISUAL/MECHANICAL		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
OTHER _____										

Tr1 S11 Log Mag 5.000dB / Ref -14.00dB [RO]
 Tr2 S21 Log Mag 10.00dB / Ref -2.363*dB [RT]

>1 0.00000000 HZ 0.0000 DB
 Δ 29.95000000 MHz -2.3377 DB

BW: 1.711324000 MHz
 Cent: 29.98423500 MHz
 Low: 29.12857300 MHz
 High: 30.83989800 MHz
 Q: 17.521
 Loss: -2.3377 DB



Center 30 MHz

IFBW 70 kHz

Span 20 MHz



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 SERIAL NO.
 PER ATP N/A

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 TEST ENGINEER T. H. [Signature]
 Q.C. INSPECTOR [Signature]
 DATE 9-22-08