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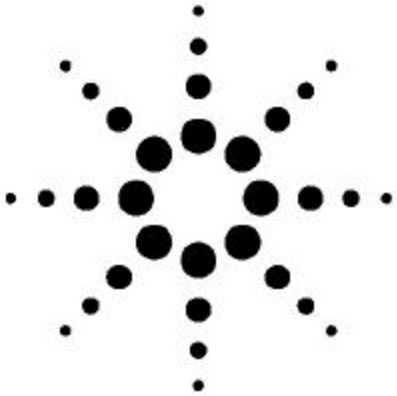
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Agilent 5352B 40 GHz CW Microwave Counter

Data Sheet

Input 1
Frequency Range: 500 MHz to 40 GHz (500 MHz to 46 GHz with Opt. 005)

Sensitivity
Full Operating Environment
500 MHz to 26.5 GHz: -25 dBm
26.5 GHz to 46 GHz: dBm = 0.741 f(GHz) -44.6
@25° C (typical)
500 MHz to 26.5 GHz: -30 dBm
26.5 GHz to 46 GHz: dBm = 0.741 f(GHz) -49.6

Maximum Input: +7 dBm

Damage Level: +25 dBm

Input 2
Frequency Range
10 Hz to 525 MHz
50 ohm: 10 MHz to 525 MHz
1 Mohm: 10 Hz to 80 MHz

Sensitivity
Full operating environment
50 ohm: 10 MHz to 525 MHz, 25 mV rms (15 mV typical @ 25° C)
1 Mohm: 10 Hz to 80 MHz, 25 mV rms (15 mV typical @ 25° C)

Maximum Input
50 ohm: + 10 dBm
1 Mohm: 1V rms

Damage Level
50 ohm or 1 Mohm dc to 5 kHz: 250 V (dc + ac peak);
>5 kHz: 5.5 V rms (+28 dBm) + 1.25 X 10^6 Vrms/freq

Connector: Replaceable fuse, type BNC (female)

Resolution: Selectable, 1 Hz to 1 MHz

High Resolution
1 Mohm mode, 1 second gate:
0.01 Hz for <100 kHz input
0.01 Hz for <1 MHz input
0.02 0.1 Hz for <10 MHz input
0.03 1 Hz for >10 MHz input

Timebases
Standard TCXO
Aging rate: 1 X 10^-7/month
Temp (0 to 50° C): 1 X 10^-6

Option 001
Aging rate: 5 X 10^-10/day
Temp (0 to 50° C): 7 X 10^-9

Option 010
Aging rate: 1 X 10^-10/day
Temp (0 to 50° C): 7 X 10^-9

Timebase Output
10 MHz and 1 MHz, 2.4 V square wave ac coupled into 1 kohm: 1.5V peak-to-peak into 50 ohm; rear panel BNC connectors

External Timebase
1, 2, 5, or 10 MHz, 0.7 V min. to 8 V max. peak-to-peak sine wave or square wave into >1 kohm shunted by <30 pF, via rear-panel BNC connector

General
Display: Segmented 24-character alphanumeric LCD (backlighted)

Built-in Features: Self-check, diagnostics, display and keyboard lockout, overload indicator, HP-IB teach-learn mode
Data Output Over HP-IB bus; varies with frequency and resolution
Auto Mode: >100 readings/s, 10 kHz resolution, no math functions, "DUMP" mode
Manual mode: >120 readings/s, 10 kHz resolution, no math functions, "DUMP" mode

Math Functions: Scale, offset, smooth (exponential averaging)

Sample Rate: Variable from less than 50 ms between measurements to HOLD, which holds the display indefinitely or until trigger occurs.

Display Rate: 5/s, variable over HP-IB

Sleep Mode: Input 1 emissions reduced to <-70 dBm typical when sleep mode or Input 2 is selected.

Output
IF Output: Rear-panel BNC provides 30-110 MHz down-converted microwave signal at >-20 dBm into 50 ohm, ac-coupled.

HP-IB Interface Functions: SH1, AH1, T5, L4, SR1, RL1, PP0, DC1, DT1, C0, E1

Physical and Power Characteristics
Operating temperature: 0° C to 50° C

Power Requirements: 100 VA max

Line Select

100 V (90 to 105 Vac rms; 47.5 to 440 Hz)
115/120 V (104/126 Vac rms; 47.5 to 440 Hz)
220 V (198 to 231 Vac rms; 47.5 to 66 Hz)
230/240 V (207 Vac rms; 47.5 to 66 Hz)

Size: 425 mm W X 133 mm H X 358 mm D (16-3/4 X 5-1/4 X 14 in)

Weight: 11 kg (24 lb)

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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