

SAV82407 Series Spectrum Analyzer Frequency Extension Module

50GHz-75GHz/75GHz-110GHz/110GHz-170GHz/140GHz-220GHz/220GHz-325GHz

Key Features

- Low conversion loss
- Small size, lightweight
- Wide LO power range ensured the measurement accuracy of amplitude
- Connect with host network via smart USB interface to realize automatic identification of extension module, automatic configuration of conversion loss and some other function.



Typical Application

- SAV82407 series spectrum analyzer frequency extension module can conduct the frequency extension of signal analyzer S3503 and realize 50GHz~325GHz signal measurement, which fulfills the requirements on millimeter-wave signal analysis.



SAV82407/A/B/C/D/E series Spectrum Analyzer Frequency Extension Module is designed for measuring millimeter wave via signal analyzer, SAV82407/A/B/C/D/E series Spectrum Analyzer Frequency Extension Module can be used for S3503 series Signal Analyzer's frequency extension and millimeter wave signal receiver's front end.

SAV82407/A/B/C/D/E series Spectrum Analyzer Frequency Extension Module adopt standard rectangular waveguide interface in corresponding frequency band, LO input and IF output respectively with 2.4mm female and 3.5mm female coaxial connector.

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Technical Specifications

Model	SAV82407 A	SAV82407 B	SAV82407 C	SAV82407 D	SAV82407 E
Frequency Range(GHz)	50-75	75-110	110-170	140-220	220-325
RF Input Interface	WR15/ UG385U	WR10/ UG387U-M	WR6/ UG387U-M	WR5/ UG387U-M	WR3/ UG387U-M
No. of Harmonic	5	7	9	7	9
Conversion Loss (Max. dB)	24	28	36	40	48
Noise Level (dBm/Hz)	-132	-130	-120	-115	-110
Local Oscillator Power	12 - 18	12 - 18	12 - 18	12 - 18	12 - 18
Max. RF input power(dBm)	15	15	15	15	15

General Information

Dimensions(mm)	110×70×25.2
Weight	Approx. 330g

Ordering Information

Model	Frequency Range
SAV82407A	50GHz-75GHz
SAV82407B	75GHz-110GHz
SAV82407C	110GHz-170GHz
SAV82407D	140GHz-220GHz
SAV82407E	220GHz-325GHz

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Standard Accessories:

Item	Name	Qty
1	USB Cable	1 PC
2	User Manual	1 PC

Note: Information will conduct the necessary updates , the contents of this document are subject to change without notice