

SAV82406 Series Frequency Multiplication Source Module

50GHz-75GHz/75GHz-110GHz/110GHz-170GHz/170GHz-220GHz/220GHz-325GHz/325GHz-500GHz

Key Features

- Frequency Range: 50GHz - 500GHz
- Input Frequency < 20GHz
- Power Supply: 15V adapter
- Compact, lightweight, low power consumption, small thermal volume, standard WG output
- Direct state display: when the frequency multiplication signal source is working, its displayed state is the output state of frequency multiplication source port.
- Built-in high-gain microwave amplifier; low requirement on signal source output power



Typical Application

- SAV82406 series frequency multiplication source module can conduct the frequency extension of microwave signal source and realize 50GHz-500GHz signal generation, which fulfills the requirements on high-frequency signal test in fields of millimeter-wave radar, communication, and RCS.



SAV82406A/B/C/D/E/F series frequency multiplication source module is a new generation of signal source frequency extension products. SAV82406A/B/C/D/E/F series frequency multiplication source module can be combined with microwave signal source to compose a millimeter-wave signal generation system. The RF signal needed by frequency multiplication source module is input from synthesized signal source via RF cable. Software control is realized by the dedicated connection cable of the frequency multiplication source module. Parameters as frequency, power are controlled by synthesized signal source, and the DC drive is supplied by dedicated power adapter.

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Technical Specifications

Model	SAV82406 A	SAV82406 B	SAV82406 C	SAV82406 D	SAV82406 E	SAV82406 F
Frequency Range(GHz)	50-75	75-110	110-170	170-220	220-325	325-500
Multiplication Factor	4	6	12	12	18	36
Output Power	≥+13dBm	≥+10dBm	≥+2dBm	≥-2dBm	≥-8dBm	≥-18dBm
RF Input Interface	3.5mm Female					
Harmonics (Typ.)	< -20dBc					

General Information

Dimensions (WxHxD) mm	120×85×240					
Power supply	15V-18V Adapter					
Power Consumption	<20W					
Output Interface	SAV82406A	SAV82406B	SAV82406C	SAV82406D	SAV82406E	SAV82406F
	WR15	WR10	WR6.5	WR5.1	WR3.4	WR2.2

Ordering Information

Model	Frequency Range
SAV82406A	50GHz-75GHz
SAV82406B	75GHz-110GHz
SAV82406C	110GHz-170GHz
SAV82406D	170GHz-220GHz
SAV82406E	220GHz-325GHz
SAV82406F	325GHz-500GHz

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Hz

Standard Accessories:

Item	Name	Description
1	Power Cord	Standard 3-core power cord
2	Power Adapter	15V-18VDC output
3	Control Line	Used for information intercommunication between main unit and frequency multiplication source
4	User Manual	/
5	Certificate of Conformity	/

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