

MODEL NUMBER:
SS400M4k-75

Solid State Amplifiers
4 kHz ... 400 MHz



SPECIFICATIONS

Frequency Range	4 kHz ... 400 MHz 4 ... 9 kHz 9 kHz ... 400 MHz
Output Power P _N min / typ W	30 / 40 75 / 100
Gain min / typ dB	44.8 / 47 ±2 48.8 / 51 ±2
Harmonics 2nd / 3rd dBc	20 / 20
Line Power VA	700
Dimensions (H, D) 19"-System	2 HU, 430 mm
Weight (kg)	14
Input Power	0 dBm (1 mW) max.
Overdrive Protection	up to +10 dBm for no damage
Input Impedance	50 Ohm nominal
Output Impedance	50 Ohm nominal
Input VSWR	<2:1 typ.
Load VSWR	infinite for no damage (100% mismatch tolerant) P _N -0.5 dB min. at VSWR 2:1
Spurious (at P _N)	-60 dBc min. (excluding harmonics)
Class of Operation	A-linear

1 HU = 44.45 mm

GENERAL

RF Input	N-f, standard on rear panel
RF Output	N-f, standard on rear panel
Mains Supply	100 ... 240 V AC, 47 ... 63 Hz
Elapsed Time Meter	via status display
Ambient Temperature	0 ... +45 °C
Storage Temperature	-25 ... +85 °C
Relative Humidity	up to 95% (non-condensing)
Operating Altitude	up to 2000 m above sea level
Vibration and Shock	MIL-STD-810 G
Cooling	forced air with integral blower air intake from front, air exhaust at rear Option W: Liquid cooling External heat exchanger required

OPTIONS

- A** RF Monitor Outputs
- B** External Dual Directional Coupler
- C** IEEE-488.2 GPIB Remote Control
- D** Front Panel RF Connectors
- E** RF Power Indication (digital)
- F** Gain Adjustment

- H** DC Supply
- L** LAN Remote Control
- R** RS-232C/RS-485 Remote Control
- S** Internal RF Switching Unit
- U** USB Remote Control
- W** Liquid Cooling

- X** External Control of other Amplifiers
- XL** Rack width 800 mm

