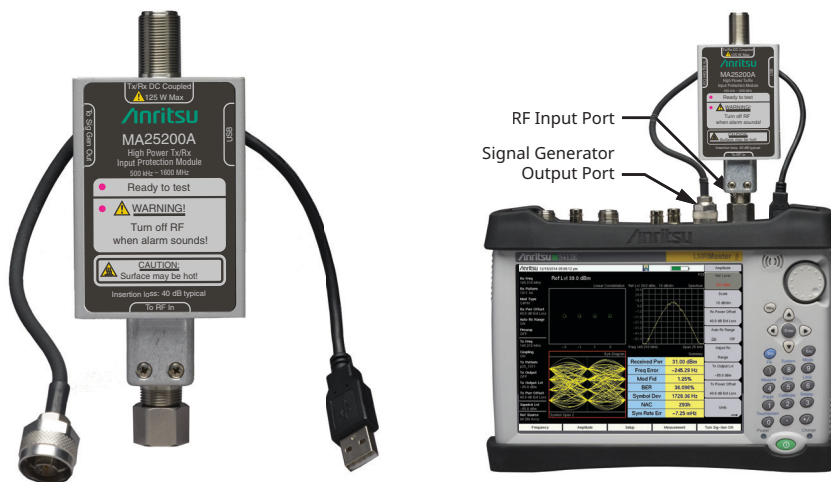


High Power Tx/Rx Input Protection Module

MA25200A

500 kHz to 1600 MHz (DC Coupled Input Port)



MA25200A Description

Use the MA25200A high power protection module to safeguard the S412E ports from high power portable, mobile, or base station transmitters. The MA25200A attenuates RF power levels up to +51 dBm (125 W) to safe levels for measurements. The MA25200A connects and mounts to the RF input connector. It has an N(m) coaxial input cable that connects to the Signal Generator output. The top N(f) connector can be connected directly to portable or mobile antenna ports or base station transmit or receive ports. The nominal 40 dB insertion loss applied to the RF input port and signal generator output ports can be compensated in the S412E amplitude offset menus so that the displayed levels match the levels at the input of the MA25200A. The MA25200A provides a very flat ± 1 dB insertion loss response (up to 1 GHz) to support accurate amplitude measurements.

Specifications^a

Maximum Input Power	+51 dBm (125 W) for one minute or until alarm sounds
Maximum Continuous Input Power	+44 dBm (25 W)
Input Port Coupling ^b	DC
Insertion Loss (typical)	RF In Port: 40 dB \pm 1 dB, 500 kHz to 1.6 GHz Signal Generator Out: 40 dB \pm 1 dB 500 kHz to 1.0 GHz, \pm 2.0 dB > 1.0 GHz to 1.6 GHz
Alarm	Audible alarm at 90 °C, nominal
Power Supply	USB power supplied by instrument for cooling fan and alarm
Cool Down Time	From 90 °C: 2 minutes, typical
LED Indicators	Green LED: Ready Red LED: Internal temperature > 100 °C, typical
Size	64 mm x 162 mm x 60 mm (2.5 in x 6.4 in x 2.4 in)
Weight	583 g (20.6 oz)
Case	760-279-R, padded nylon case

a. RF specifications apply when connected to a 50 Ω source.
b. DC Coupling applies to revision 2 instruments only.