

AFJ PAT 20M

RECEIVER FRONT-END PROTECTION ATTENUATOR & PULSE LIMITER

Why an attenuator & pulse limiter?

EMI testing receivers **input protection** against high spikes coming from LISN.

The input attenuator, the preamplifier, the pre-selector or input mixer can be destroyed in EUT testing due to a very high spectral density/pulse energy. For high voltages as occur e.g. in LISNs or absorbing clamp measurement, we strongly recommend to make use of the external Pulse Limiter – Attenuator **PAT 20M** with every kind of EMI Receiver.



This 20dB attenuator is designed for pulse voltages up to 1Ws, to protect the input receivers. Even using EMI Test systems already protected against spikes, for unknown devices under test, the PAT 20M pulse limiter is strongly recommended.



AFJ ER55 Receiver and PAT 20M

	PAT 20M Specifications
Frequency Range	0Hz-30MHz
Low pass filter up to	100MHz
Max continuous input power	1W
Max pulse input energy	1Ws (500µs)
Input / Output VSWR	1.05 / 1.15
Characteristic Impedance	50Ω
Insertion loss	20dB ± 0.3dB
In / Out RF connectors	BNC (female / male)
Dimensions	96mm x 28mm x 23mm
Weight	70g
Nominal Temperature range	-10°C to +45°C
Storage temperature range	-25°C to +70°C



AFJ Instruments
20146 Milan – Italy
Phone +39 02 91434850
sales@afj-instruments.com
www.afj-instruments.com