



Planar Monolithics Industries, Inc.

RF & Microwave Components and Modules to 40GHz

10kHz to 40MHz, 60dB Gain,
Low Noise Amplifier

PMI Model No. PEC-60-10K40M-3R5-14-12-SFF



PMI Model No. PEC-60-10K40M-3R5-14-12-SFF is a low noise amplifier that operates from 10kHz to 40MHz. This amplifier provides over 60dB of gain and offers a low noise figure of 3.5dB maximum. The output power at 1dB gain compression is +14dBm minimum. This amplifier operates from a single +12V or +15V DC supply. The housing measures 3.07" x 1.18" x 0.5".

Specifications:

Frequency Range	10kHz to 40MHz
Gain	60dB typ.
Gain Flatness	±1.5dB max.
Noise Figure	3.5dB typ.
OP1dB	14dBm min.
OIP3	+27dBm typ.
VSWR In/Out	1.8:1 max.
DC Voltage Supply	+12 to +15
DC Current Draw	225mA max.
Connectors	SMA - Female
Finish	Painted Gray (Mounting Surface is Gold Plated)
Size	3.07" x 1.18" x 0.5"

Environmental Ratings:

Temperature:	-20°C to +70 °C Operating -55°C to +125 °C Non-Operating
Humidity:	MIL-STD-202F, Method 103B Cond. B
Shock:	MIL-STD-202F, Method 213B Cond. B
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A



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ISO9001:2008 Certified