k2000 - Coaxial Noise Sources

10MHz to 90GHz

Applications Include:

- Radar warning receivers (RWR)
- Built-in test equipment (BITE)
- Military arcraft
- Automotive Radar
- Ultra-low Latency Wireless Backhaul
- 802.11ad High-Speed Wi-Fi

kTB Coaxial Noise Source

The kTB k2000 Series Coaxial Noise Source embody excellent stability with temperature and voltage. They are well suited for receiver testing, noise figure measurements, and any application requiring broad bandwidth and fast switching time.

Like all kTB noise sources, the k2000 Series features hermetically sealed noise diodes and each noise source is supplied with calibration data for the full frequency band.

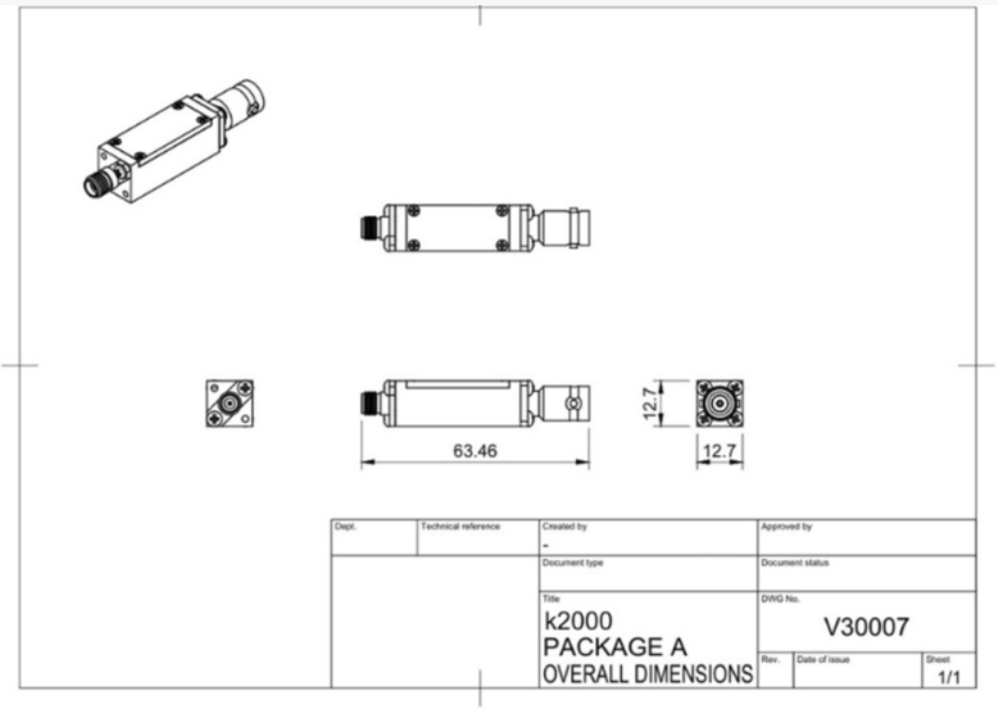
General Specifications

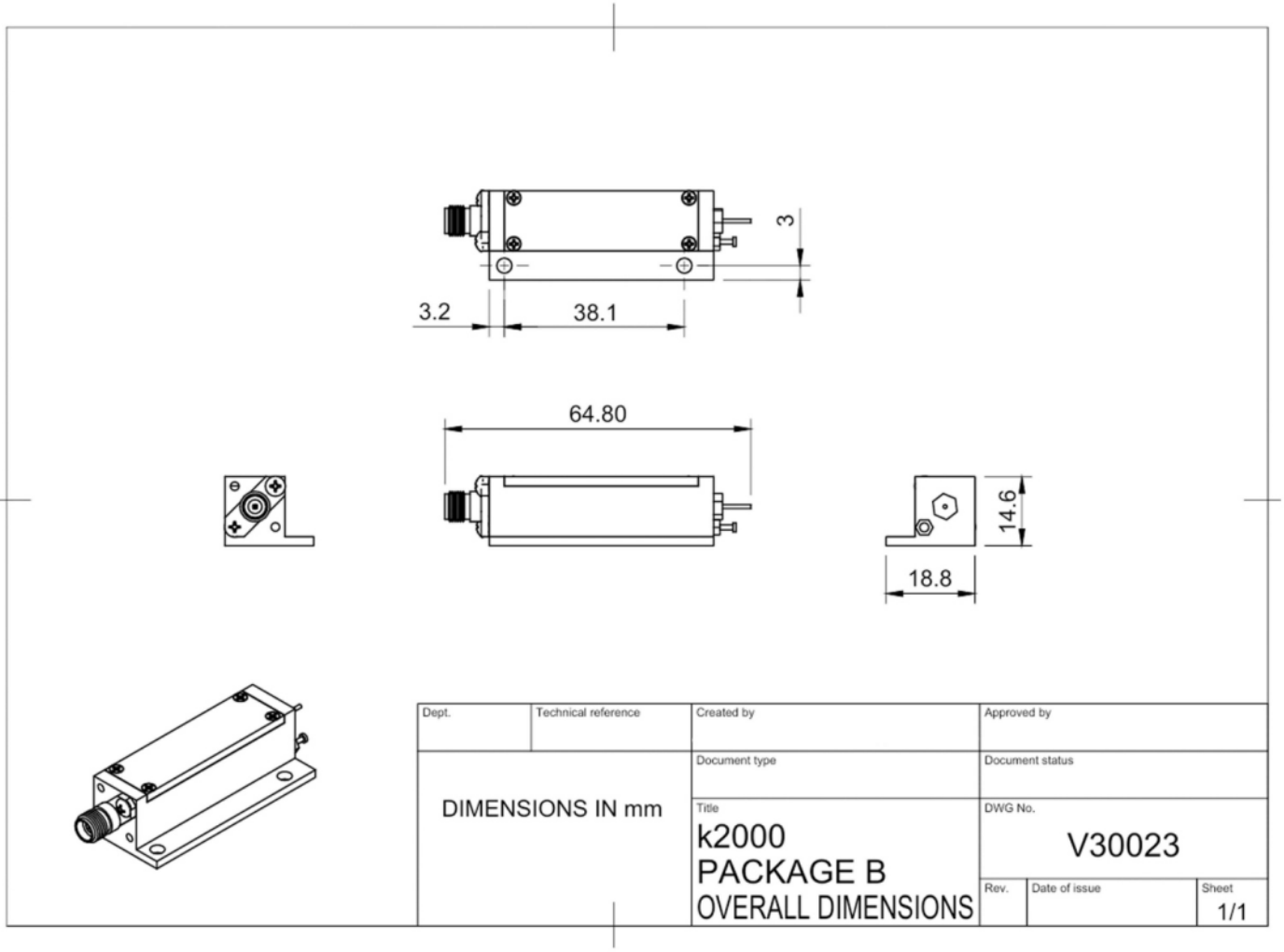
- **Noise output rise and fall times** — Less than 1 µs
- **Noise output variation with temperature** — Less than 0.01 dB/° C
- **Operating temperature** — -55° to 85° C
- **Storage temperature** — -65° to +125° C
- **Input power** — +28 VDC 20 mA typical
- **Noise output** — 14 to 30 dB

Options

- **K2M** Male connector
- **K215** +15V bias

Model	Frequency Range	ENR (dB)	Flatness (dB)	VSWR	DC Bias	RF Connector
K2218A	10 MHz to 18 MHz	28	±1.5	2:1	+28V @ 20mA (max)	SMA (F)
K2118A	10 MHz to 18 GHz	15	± 1.5	2:1	+28V @ 20mA (max)	SMA (F)
K2318A	10 MHz to 18 GHz	20 to 24		2:1	+28V @ 20mA (max)	SMA (F)
K2201A	10 MHz to 1 GHz	30 to 35	±1	2:1	+28V @ 20mA (max)	SMA (F)
K2208B	1 GHz to 18 GHz	23 to 27	±1	2:1	+28V @ 20mA (max)	SMA (F)
K2240A	2GHz to 40GHz	>20	x	x	+28V @20mA (max)	2.92mm(F)
K2250A	2 GHz to 50 GHz	≥20		≤ 3.0:1	+28V @ 20mA (max)	1.85mm (F)
K2267A	2 GHz to 67 GHz	≥15		≤ 3.0:1	+28V @ 20mA (max)	1.85mm (F)
K2290A	2 GHz to 90 GHz	>15	x	x	+28V @20mA (Max)	1.0mm (F)





k2000 Series Dimensions

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