

Specification – Multiplexer

Date: 2026-09-06	Bands: 5	Part No.: NX-MUX-500-18000-5B
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■ Electrical & Mechanical Specification

No.	Parameter	Specification
1	Number of Bands	5
2	Band 1	0.5 – 2 GHz (1dB BW: 0.5 – 1.9 GHz)
3	Band 2	2 – 3.5 GHz (1dB BW: 2.1 – 3.32 GHz)
4	Band 3	3.5 – 6 GHz (1dB BW: 3.67 – 5.7 GHz)
5	Band 4	6 – 10 GHz (1dB BW: 6.3 – 9.5 GHz)
6	Band 5	10 – 18 GHz (1dB BW: 10.5 – 18 GHz)
7	Passband Insertion Loss	≤1.35 dB
8	Input VSWR	≤2.0 @ 0.5–18 GHz
9	Output VSWR	≤2.0 (each band, within its 1dB bandwidth)
10	Crossover Insertion Loss	≤5.5 dB (each adjacent band pair)
11	Crossover Frequency Offset	±10–50 MHz @ 25°C (band-pair dependent)
12	Stop Band Rejection	≥55 dB (each band, out-of-band — see full band-by-band table)
13	Connectors	SMA-Female (Stainless Steel)
14	Operating Temperature	-10°C ~ +55°C
15	Non-Operating Temperature	-54°C ~ +85°C

■ Outline Drawing [Unit: mm, Tolerance: $\pm 0.3\text{mm}$]

