



Specification – Switch Filter Bank

Date: 2026-09-06	Channels: 11	Part No.: NX-SFB-300-8000-11CH
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■ Electrical & Mechanical Specification

No.	Parameter	Specification
1	Frequency Range	300 – 8000 MHz
2	Number of Channels	11 (10 switched filters + wideband bypass)
3	Passband Insertion Loss	≤7 dB (worst-case channel) ≤1.0 dB (bypass channel)
4	Channel Bands	CH1 300–600 · CH2 600–1000 · CH3 902–928 · CH4 970–1700 · CH5 1700–2400 · CH6 2400–2500 · CH7 2400–3100 · CH8 3100–4400 · CH9 4400–5450 · CH10(HPF) 5450–8000 · CH11 Bypass 300–8000 (MHz)
5	Impedance	50 Ω
6	Switch Time	≤200 ns
7	Max RF Power Input	+27 dBm
8	3rd Order Intercept	≥32 dBm
9	Video Leakage	≤-30 dBm (after switching)
10	Connectors	SMA-Female (Stainless Steel)
11	Supply Voltage	+5V ±10% (≤400 mA) / -5V ±10% (≤200 mA)
12	Surface Finish	Nickel Plated
13	Operating Temperature	-40°C ~ +70°C
14	Storage Temperature	-40°C ~ +85°C

■ Outline Drawing [Unit: mm]

