

Expanded Product Line Features Ultra-Wideband and SP8T Switches

MITEQ expands its switch products with a high performance wideband switch, and an 8-way high isolation selector switch

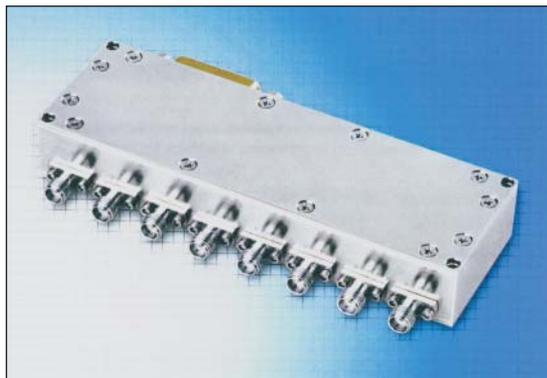
Two new switch products have been introduced by MITEQ Inc., The U080-180 offers ultra-wideband performance from 80 MHz to 18 GHz in an

SPST gating switch. Off isolation is a minimum of 65 dB, with a maximum insertion loss of 4.5 dB.

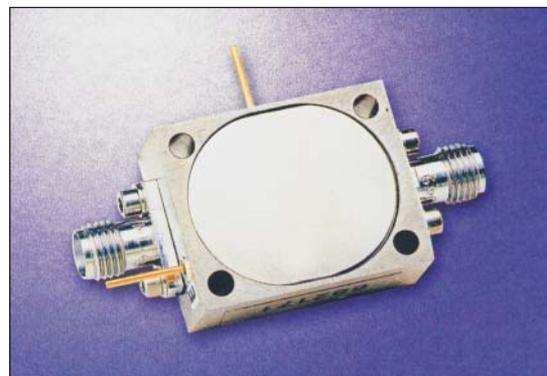
Model N828ANM2 extends the switch line to SP8T, featuring high isolation of 50 dB minimum and a maximum insertion loss of 4.5 dB. This model covers 1 to 18 GHz.

Typical specifications for the MITEQ switch line include:

- 20 dBm power handling (full performance)
- 30 dBm power handling (no damage)
- +35 dBm third order intercept point
- 0 to 70°C operating temperature range
- Switching speed as low as 2 ns
- Current and TTL control
- Binary decoded logic on multi-throw models



For SP8T applications from 1 to 18 GHz, MITEQ now offers the N828ANM2.



The U080-180 from MITEQ is an ultra-wideband gating switch, covering 80 MHz to 18 GHz with 65 dB isolation.

Standard switches are offered in SPST to SP8T configurations, reflective or absorptive, single- or dual-supply covering various frequency ranges. Models with optimized performance—low VSWR, low loss, specific frequency bands—are also offered.

MITEQ's design and manufacturing capabilities can be applied to custom models and additional performance options. Some possibilities include frequency coverage up to 40 GHz, high power switching (up to 10 watts), higher isolation (e.g. 90 dB), controlled rise and fall time, various connector options, and drop-in models. Matrices, bypass, or other custom signal routing configurations can also be accommodated. Switches can be screened to the salient characteristics of MIL-STD-883.

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