

[EM switches perform 10 million operations](#)

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Electromechanical switches in Pasternack's PE71S63xx series exhibit low insertion loss repeatability of 0.03 dB to 0.05 dB guaranteed over 5 million to 10 million switching cycles, depending on the

model. Their high reliability over millions of operations helps ensure overall system measurement accuracy in such applications as test instrumentation, electronic warfare, electronic countermeasures, radar, and research and development.



Comprising 12 models, the PE71S63xx series covers broadband frequencies from DC to 40 GHz. Switches come in three configurations: single-pole double-throw, single-pole four-throw, and single-pole six-throw. Specifications include insertion loss of 0.3 dB with high isolation of 100 dB typical and input power ratings of up to 70 W CW and up to 1 W for hot switching.

PE71S63xx switches come in coaxial package assemblies that are shielded for EMI and RFI suppression and magnetic fields. Depending on the model and frequency, the devices are available with SMA or 2.92-mm connectors. Some models support ribbon cable assemblies for DC, indicator, and TTL logic controls. Military grade designs meet MIL-STD-202 conditions.

Prices for the PE71S63xx series range from approximately \$1300 for a SPDT switch to \$6900 for a SP6T device (single quantity).

[PE71S63xx series product page](#)

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