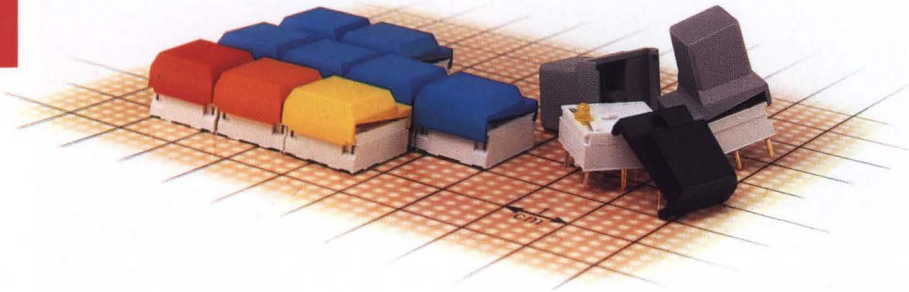


REK/REK-N SERIES

Key Switches — High Performance



Features

The REK is an economical answer for an electronic input switch. The REK Series electrical characteristics are compatible with TTL and CMOS logic circuits and offer the following advantages.

- ☐ Low profile only .375 (9.52 mm) high
- ☐ Twin make contacts
- ☐ SPST or SPDT
- ☐ Two molded standoffs for ease of cleaning and parallel mounting
- ☐ LED illumination
- ☐ Low profile
- ☐ Gold or silver plated contacts
- ☐ Low contact bounce less than 1 ms
- ☐ High insulation resistance $10^{11}\Omega$
- ☐ Eight colors

Benefits

The new REK-N Series is available with LED illumination. This gives the lower priced REK-N Series many of the same features found on the Digitast Series.

REK features SPST and SPDT contact arrangement. The REK is available with gold contacts only.

REK-N is the newest version of the REK Series. It features epoxy sealed terminals, silver or gold contacts and is available with a red, yellow or green LED. The REK-N is only available with a SPST contact arrangement.

Key Switches — High Performance

REK/REK-N SERIES

Technical Data

Materials

Housing insulation material	REK = Durethan REK-N = Orgamid
Contact material	Cu/Zn Alloy-Gold plated or silver plated
Application	Direct soldering to PC Board
Keycap Material/Colors	ABS UL94HB/Black, white, grey, blue, red, orange, green, yellow

Electrical Data

	GOLD PLATED	SILVER PLATED	GOLD PLATED
Type of contact	REK	REK-N	REK-N
Contact arrangement	SPST/SPDT	SPST only	SPST only
Switching current max.	10 mA	60 mA	10 mA
Switching voltage max.	25VDC	60VDC	25VDC
Switching power max.	250 mW	750 mW	250 mW
Operating life	100,000 cycles	250,000 cycles	250,000 cycles
Contact resistance initial	$\leq 100 \text{ m}\Omega$	$\leq 75 \text{ m}\Omega$	$\leq 100 \text{ m}\Omega$
Insulation resistance min.	$\geq 10^{11} \Omega$	$\geq 10^{11} \Omega$	$\geq 10^{11} \Omega$
Contact bounce, max.	1 ms	1 ms	1 ms
Capacity between open contacts	2 pF	2 pF	2 pF
Operating temperature range	-25°C to +70°C (-13°F to +158°F)	-25°C to +70°C (-13°F to +158°F)	-25°C to +70°C (-13°F to +158°F)

Mechanical Data

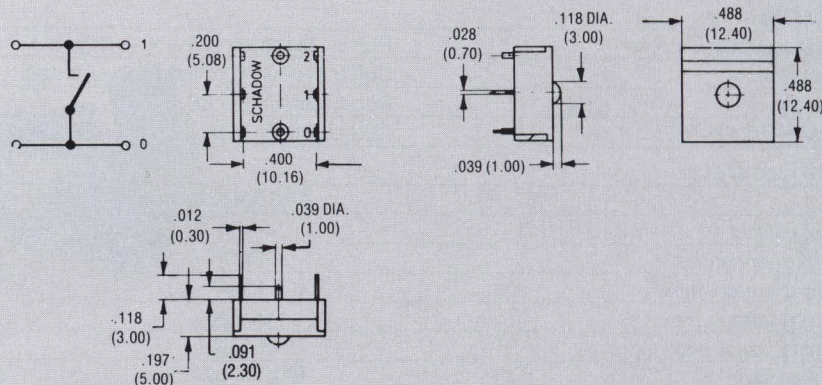
Minimum spacing	Horizontally .500 (12.70) Vertically .563 (14.30)
Switching travel	~.031 (.80)
Pre-travel	~.016 (.40)
Operating force	~130 \pm 30 grams REK-N ~ 170 \pm 30 grams REK
Function	Momentary
Mounting method	Terminals for direct soldering to PC Board
Weight	1.4 g (keycap incl.)

REK/REK-N SERIES

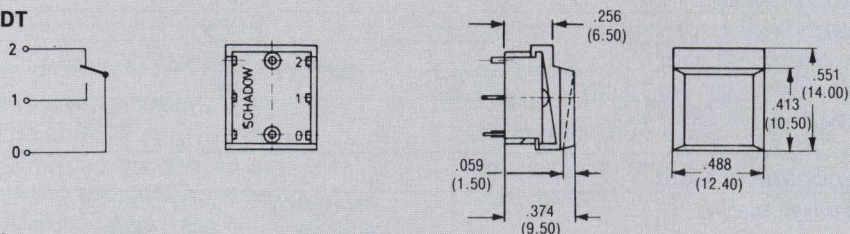
Mechanical Data/Order Code

REK SERIES

SPST



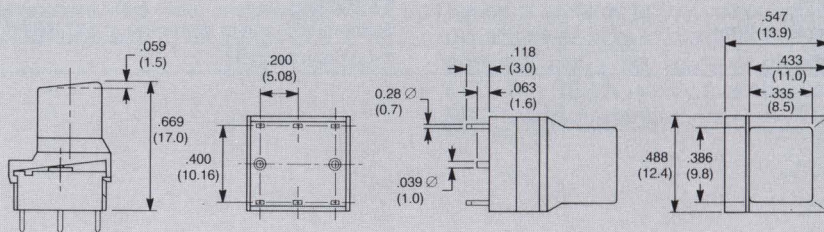
SPDT



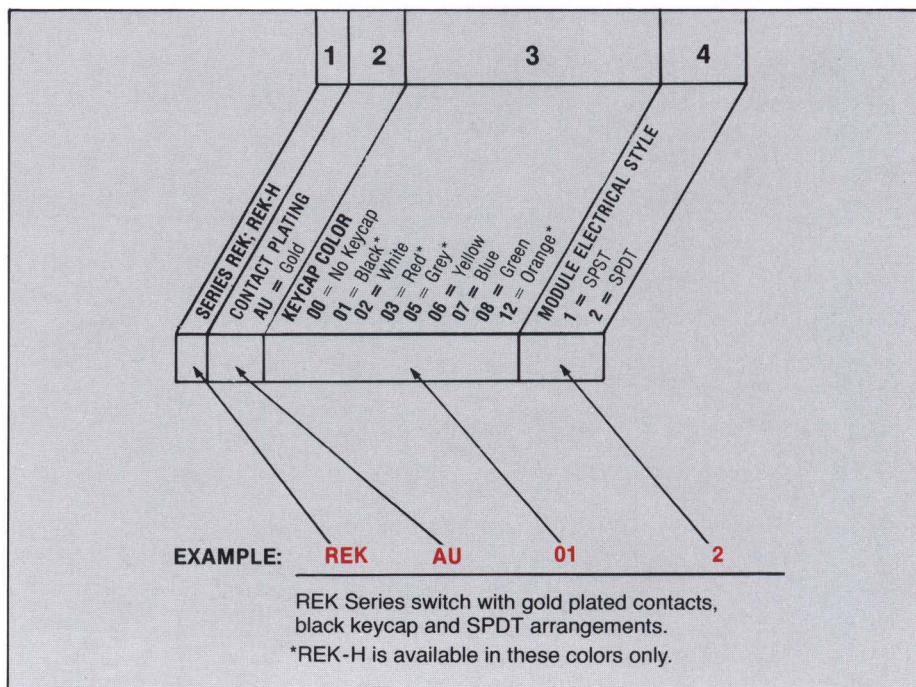
REK-H

REK-H MODULE WITH BUTTON ASSEMBLED

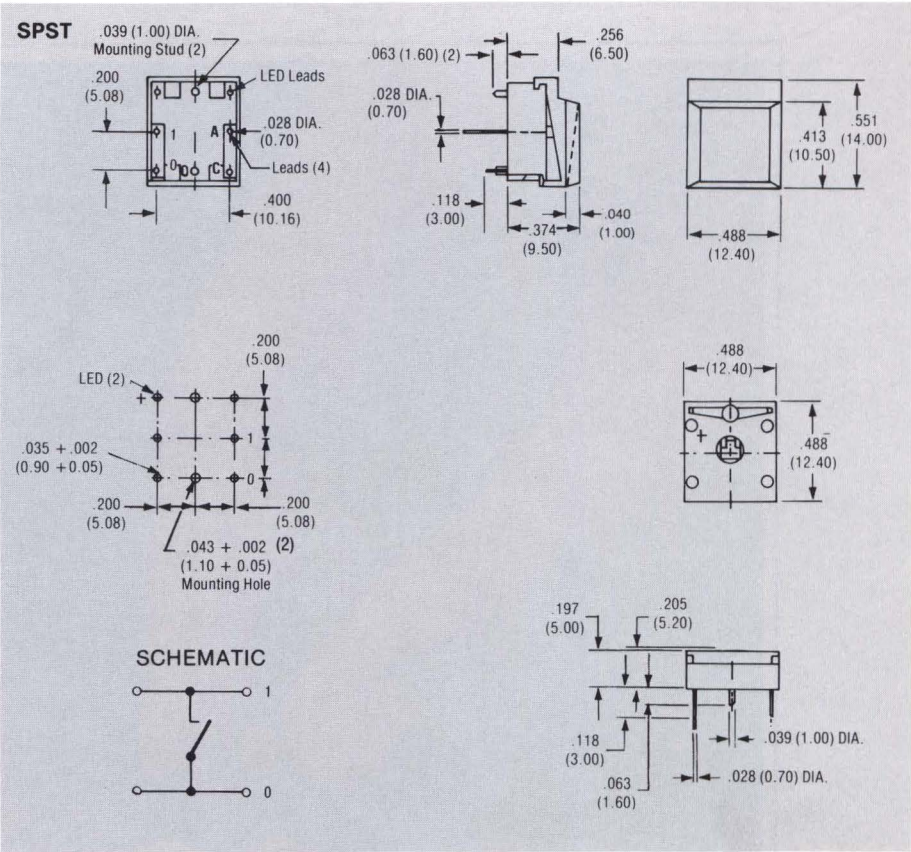
Low-Profile Switch REK with high keycap (with additional actuator also for REK-N available).



Switch Order Code



Mechanical Data/Order Code
REK-N Series



Switch Order Code

