

SERIES TL 1240 SWITCHES

TACT SWITCHES ILLUMINATED

TACT SWITCHES

NAVIGATION SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

ROCKER SWITCHES

SLIDE SWITCHES

SNAP-ACTION SWITCHES

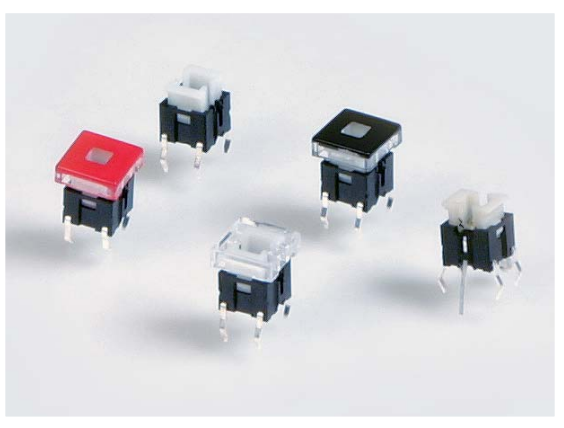
DIP SWITCHES

KEYLOCK SWITCHES

ROTARY SWITCHES

DETECTOR SWITCHES

CAP OPTIONS



SPECIFICATIONS

Contact Rating:	50mA @ 12 VDC
Life Expectancy:	100,000 cycles
Contact Resistance:	100mΩ (max.) typical, initial @ 2-4 VDC 100mΩ for both silver and gold plated contacts
Insulation Resistance:	100MΩ (min.)
Dielectric Strength:	250 VAC
Actuation Force:	160 gf ± 50 gf
Operating Temperature:	-20°C to 70°C
Travel:	0.25 Typ

MATERIALS

Housing:	POM
Actuator:	PBT
Button:	Nylon
Moving Contact:	Stainless steel, silver plated
Terminals:	Brass, silver plated

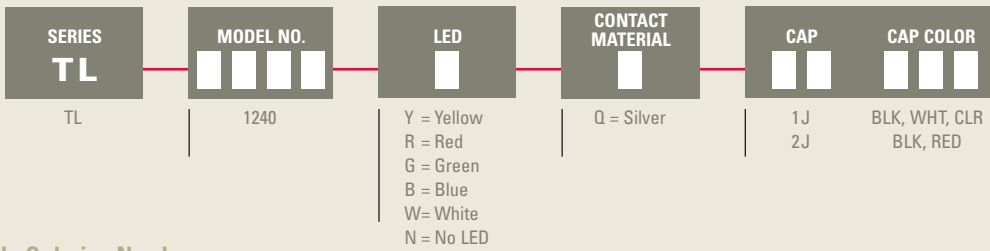
FEATURES & BENEFITS

- ▶ Multiple LED color options
- ▶ Reliable dome technology
- ▶ Independent LED leads
- ▶ LED color matching upon request
- ▶ Multiple cap options

APPLICATIONS/MARKETS

- ▶ Telecommunications
- ▶ Consumer Electronics
- ▶ Audio/visual
- ▶ Medical
- ▶ Testing/instrumentation
- ▶ Computer/servers/peripherals

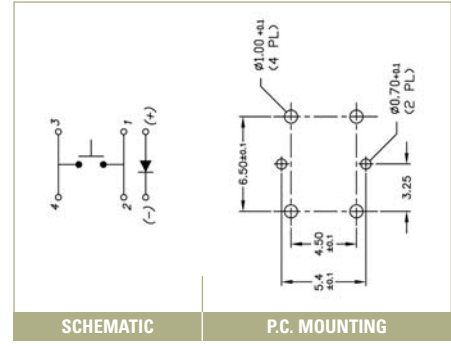
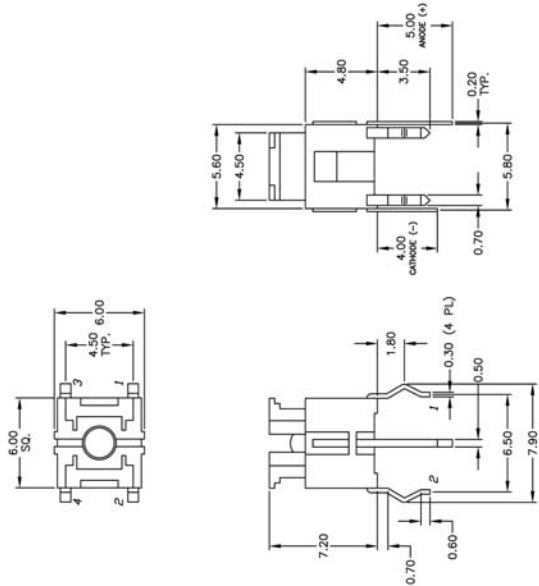
HOW TO ORDER



Example Ordering Number
TL-1240-R-Q-2J-RED

Specifications subject to change without notice.

TL 1240





LED CHARACTERISTICS

PARAMETERS	SYMBOL	YELLOW LED		RED LED		GREEN LED		BLUE LED		WHITE LED		UNITS
		MAX.	TYP.	MAX.	TYP.	MAX.	TYP.	MAX.	TYP.	MAX.	TYP.	
POWER DISSIPATION	P_D	100	—	100	—	100	—	102	—	111	—	mW
REVERSE VOLTAGE	V_R	4	10	4	—	4	—	5	—	5	10	V
PEAK FORWARD CURRENT	I_{PF}	20	—	30	—	25	—	30	—	30	—	mA
REVERSE CURRENT	I_R	10	—	10	—	10	—	10	—	10	—	mA
FORWARD VOLTAGE	V_F	2.8	1.8	2.3	—	2.8	—	4.2	—	3.7	3.5	v
LUMINOUS INTENSITY	I_V	--	9	--	25	--	3	--	250	--	80	mcd
EMISSION WAVELENGTH	λ_P	--	585	--	660	--	557	--	468	--	--	nm
OPERATING TEMPERATURE	T_{OP}	-25C TO +85C		-25C TO +85C		-20C TO +85C		-20C TO +80C		-40C TO +85C		C
STORAGE TEMPERATURE	T_{ST}	-25C TO +80C		-25C TO +85C		-20C TO +85C		-30C TO +85C		-40C TO +85C		C
LEAD SOLDERING TEMPERATURE, (12.0mm (0.063 inch) FROM BODY) 260C FOR 5 SECONDS												
ELECTRICAL CHARACTERISTICS (= 25C) T_A												

TACT
SWITCHESNAVIGATION
SWITCHESPUSHBUTTON
SWITCHESTOGGLE
SWITCHESROCKER
SWITCHESSLIDE
SWITCHESSNAP-ACTION
SWITCHESDIP
SWITCHESKEYLOCK
SWITCHESROTARY
SWITCHESDETECTOR
SWITCHESCAP
OPTIONS