TACT
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

TOGGLE
SWITCHES

ROCKER
SWITCHES

SLIDE
SWITCHES

SNAP-ACTION
SWITCHES

DIP
SWITCHES

KEYLOCK
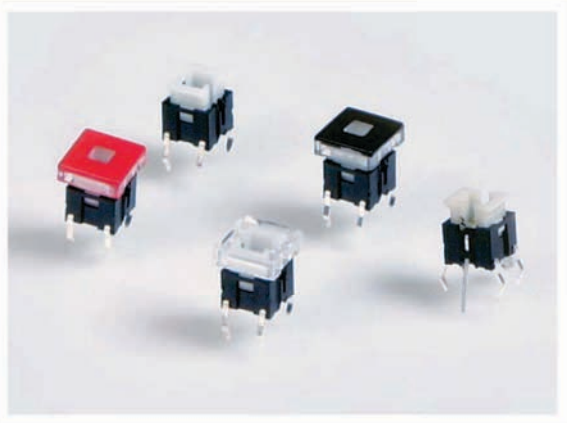SWITCHES

ROTARY
SWITCHES

DETECTOR
SWITCHES

CAP
OPTIONS

SERIES TL 1240 SWITCHES

TACT SWITCHES ILLUMINATED

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

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**

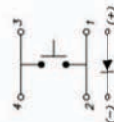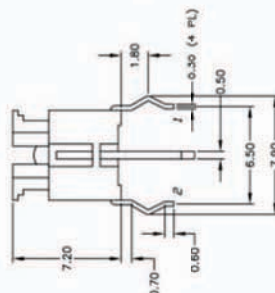| SERIES	MODEL NO.	LED	CONTACT MATERIAL	CAP	CAP COLOR
TL					
TL	1240	Y = Yellow R = Red G = Green B = Blue N = No LED	Q = Silver	1J 2J	BLK, WHT, CLR BLK, RED

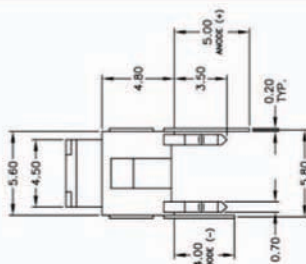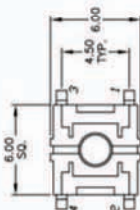▶ ▶ ▶ **Example Ordering Number**
TL–1240–R–Q–2J–RED

Specifications subject to change without notice.

TL 1240

SCHEMATIC | P.C. MOUNTING

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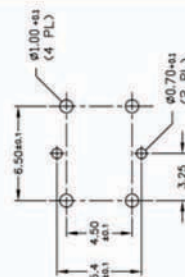
LED CHARACTERISTICS

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												

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[E-Switch](#):
  TL1240YQ2JBLK   TL1240GQ2JBLK   TL1240GQ1JCLR   TL1240YQ   TL1240NQ   TL1240NQ1JBLK   TL1240R1JCLR
TL1240BQ2JBLK   TL1240BQ   TL1240BQ1JCLR   TL1240GQ   TL1240GQ2JRED   TL1240NQ1JWHT   TL1240RQ
TL1240RQ2JBLK   TL1240RQ2JRED   TL1240WQ   TL1240YQ1JCLR   TL1240YQ2JRED   TL1240RQ1JCLR
TL1237F160QG   TL1240GRNSBKB   TL1240SBGRN