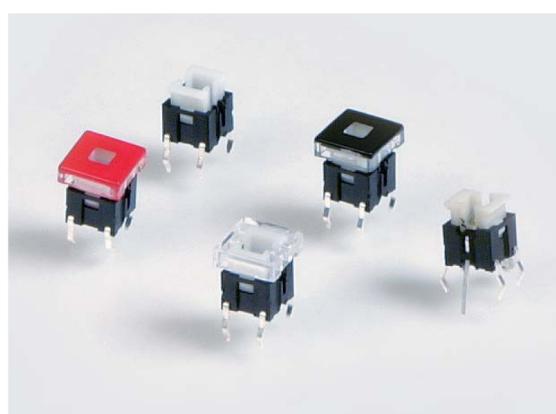




SERIES TL 1240 SWITCHES

TACT SWITCHES ILLUMINATED

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

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

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



HOW TO ORDER

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

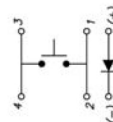
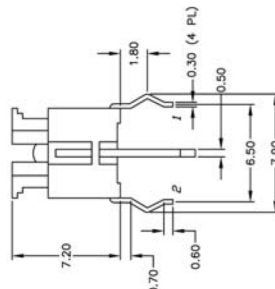
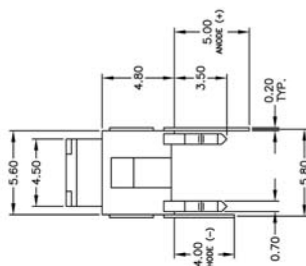
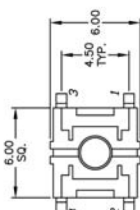


Example Ordering Number

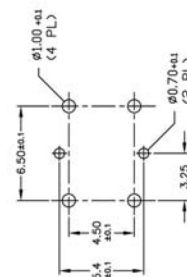
TL-1240-R-Q-2J-RED

Specifications subject to change without notice.

TL 1240



SCHEMATIC



P.C. MOUNTING



LED CHARACTERISTICS

		YELLOW LED		RED LED		GREEN LED		BLUE LED		WHITE LED		
PARAMETERS	SYMBOL	MAX.	TYP.	MAX.	TYP.	MAX.	TYP.	MAX.	TYP.	MAX.	TYP.	UNITS
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								