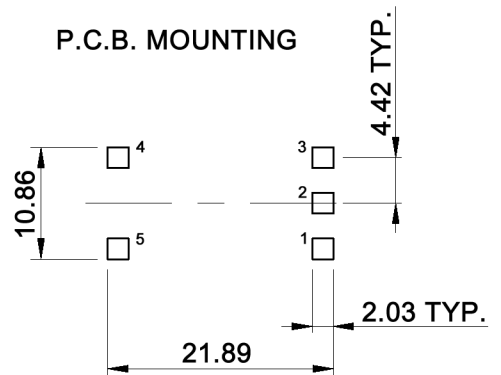


SWITCH FUNCTION

Model No.	POS. 1	POS. 2
MPLS 12	ON	ON
Term. Conn.	3-4	2-3
LED	5 1	

P.C.B. MOUNTING



x	Switch function	y	LED color
D	on - on	w	white
F	on - mom	y	yellow
		r	red
		g	green
		b	blue
		ag	amber / green
		rg	red / green



Tolerances: 0.00: ±0.13mm 0.0: ±0.40mm		Date	Name
		12/08	dr
LED colors	08/11	dr	
Soldering conditions	09/10	dr	
LED color	06/09	dr	
Modifications	Date	Name	

MPLS 12 xy

knitter-switch

30 16 81

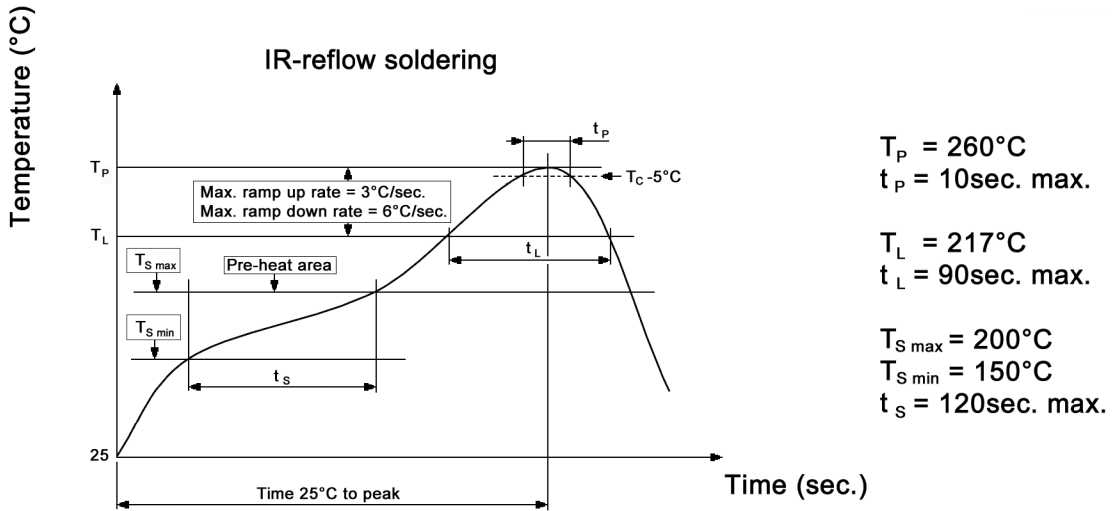
Page

1/2

Specifications:

Contact rating: min. 20mV, max. 50V DC
Switching current: min. 0.01mA, max. 250mA
Switching power: max. 3.5VA
Contact resistance: 50mOhm max. at 2-4V DC, 100mA
Insulation resistance: 1 000MOhm min.
Dielectric strength: 250V RMS
Operating temperature: -30°C to +85°C
Mechanical life: 30 000 make-and-break cycles
Operating force: 250 +/-100gf
Material: Case / actuator: glass filled LCP (UL94V-0)
 Housing: stainless steel
 Contact / terminal: copper alloy, silver plated with gold flash

Soldering conditions:



LED CHARACTERISTICS:

Lens Appearance	Color	Electro-optical Data(AT 20mA)				Peak wavelength	Viewing Angle 2θ 1/2 (deg)	
		Vf (V)		Iv (mcd)				
		Typ.	Max.	Min..	Typ.			
Water Clear	White	3.3	3.8	4900	10000	—	30°	
	Red	2.35	2.8	1	3	630	50°	
	Yellow	2.1	2.6	20	35	588	65°	
	Green	2.2	2.6	50	60	570	60°	
	Blue	3.5	3.8	210	550	470	75°	
	Amber (Green)	A	2.1	2.5	19	28	588	55°
		G	2.2	2.6	9	19	570	50°
	Red (Green)	R	2.35	2.8	—	1	630	
G		2.2	2.6	6	13	570		



Tolerances: 0.00: ±0.13mm 0.0: ±0.40mm	Date	Name
	09/10	dr
Modifications	Date	Name

MPLS 12 xy

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