



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



FSMRAJ Series *Micro Miniature Pushbuttons with Tactile Feel "Right Angle"*

MATERIAL SPECIFICATIONS:

ContactsCopper alloy, silver plate
Case.....Polyamide
Actuator ButtonPolyacetal Resin
FrameCopper alloy, tin plate
TerminalsCopper alloy, silver plate

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature..... -4°F to +158°F (-20°C to + 70°C)
Storage Temperature.....-22°F to +176°F (-30°C to +80°C)
Solder Heat Resistance.....See Page M6

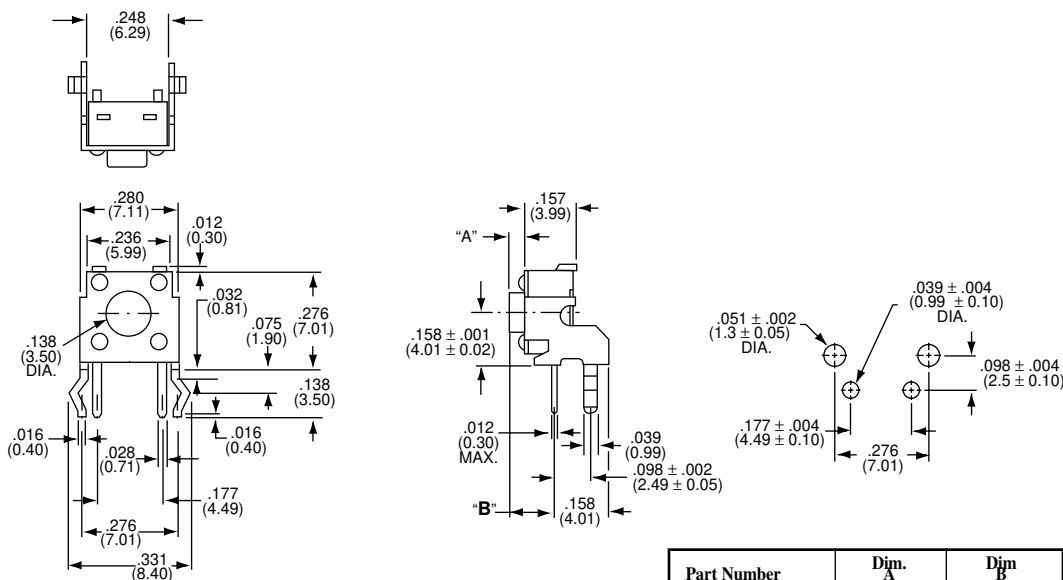
TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating50 mA @ 12 VDC
Initial Contact Resistance.....100 Milliohms max.
Insulation Resistance100 Megohms min. @ 100 VDC
Dielectric Strength250 VAC
Actuation ForceSee Below
Actuator Travel012" (0,3)
Life Expectancy100,000 Cycles

D



FSMRA1J



Type	Off	On
SPST		
(On) indicates momentary position.		

Part Number	Dim. A	Dim. B	Button Color
FSMRA 1J	.022" (0.55)	.124" (3.15)	Black
FSMRA 2J	.049" (1.25)	.152" (3.86)	Black
FSMRA 3J	.128" (3.25)	.230" (5.84)	Blue
FSMRA 4J	.226" (5.74)	.329" (8.36)	Black
FSMRA 5J	.140" (3.55)	.242" (6.15)	Ivory
FSMRA 6J	.167" (4.25)	.341" (8.66)	White
FSMRA 7J	.364" (9.25)	.467" (11.86)	Black

PART NUMBERING SEQUENCE

Model	Actuator Length	Temperature	Actuation Force
FSMRA	J		
ACTUATOR LENGTH DIM "A"	SWITCH HEIGHT DIM "B"	BLANK = STD. TEMP. H = HIGH TEMP. (ACTUATOR OPTIONS 1 - 2)	BLANK = 160 g (STD.) A = 260 g (OPT.) AA = 520 g (OPT.) L = 100 g (OPT.)
.022" (0,56)	.124" (3,15)		
.049" (1,24)	.152" (3,86)		
.128" (3,25)	.230" (5,84)		
.226" (5,74)	.329" (8,36)		
.140" (3,55)	.242" (6,15)		
.167" (4,24)	.341" (8,66)		
.364" (9,24)	.467" (11,86)		

CONSULT FACTORY
FOR OTHER OPTIONS

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D6

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Micro Miniature Pushbuttons "Horizontal Gang" FSMRAJ Series

MATERIAL SPECIFICATIONS:

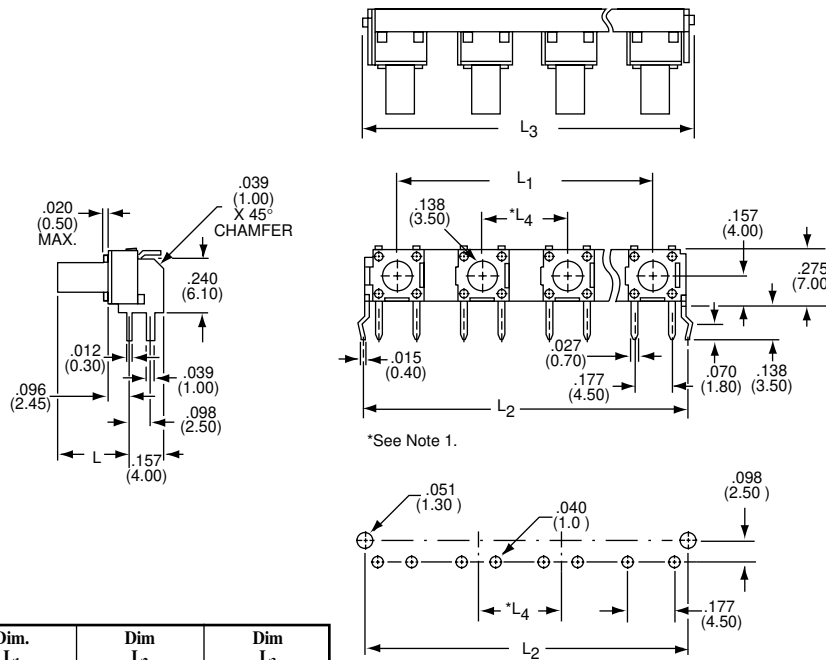
ContactsCopper alloy, silver plate
Case.....Polyamide
Actuator ButtonPolyacetal Resin
FrameStainless Steel
TerminalsCopper alloy, silver plate

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature.....-4°F to +158°F (-20°C to + 70°C)
Storage Temperature.....-22°F to +176°F (-30°C to +80°C)
Solder Heat Resistance.....See Page M6

TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating50 mA @ 12 VDC
Initial Contact Resistance.....100 Milliohms max.
Insulation Resistance100 Megohms min. @ 100 VDC
Dielectric Strength250 VAC
Actuation ForceSee Below
Actuator Travel012" (0,3)
Life Expectancy100,000 Cycles



# of Positions	Dim. L ₁	Dim. L ₂	Dim. L ₃
3	.787" (20,00)	1.06" (27,00)	1.11" (28,19)
4	1.18" (30,00)	1.46" (37,00)	1.51" (38,35)
5	1.57" (40,00)	1.85" (47,00)	1.90" (48,26)
6	1.97" (50,00)	2.24" (57,00)	2.30" (58,42)
7	2.36" (60,00)	2.64" (67,00)	2.69" (68,32)
9	3.15" (80,00)	3.43" (87,00)	3.48" (88,40)

*Note 1: L₄ = .394 (10,00) or .590 (15,00) Center line spacing

Type	Off	(On)
SPST		
		(On) indicates momentary position.



FSMRAJ

PART NUMBERING SEQUENCE

Model	Actuator Length	Number of Ganged Switches	*Centerline Spacing	Actuation Force
FSMRA	J			
	1 - .124 (3,15) 2 - .151 (3,85) 6 - .269 (6,85) 9 - .328 (8,35)	3, 4, 5, 6, 7, 8 or 9	10 - .394 (10,00) 15 - .433 (15,00) (L ₄ Dimension)	BLANK = 100 -350g L = 100 g

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