EASTPRINT incorporated

PRODUCT SPECIFICATIONS

MEMBRANE KEYBOARD

Electrical

	FLAT MEMBRANE SWITCH	TACTILE MEMBRANE SWITCH		Astm Std.
		Polydome	Metal Dome	
VOLTAGE	*25 VDC Max	*25 VDC Max		
CURRENT	*10 Milliamps	*10 Milliamps		F1681-96
POWER	*250 Milliwatts	*250 Milliwatts		
CIRCUIT RESISTANCE[1]	<100 Ohms	<100 Ohms		F1680-96
INSULATION RESISTANCE	100 Meg-Ohms	100 Meg-Ohms		F1689-96
DIELECTRIC WITHSTANDING	250 V For 1 Min.	250 V For 1 Min.		F1662-95
CONTACT BOUNCE	20 Milliseconds Maximum	20 Milliseconds Maximum		F1661-95
CAPACITANCE[2]	Layout Dependent	Layout Dependent		F1663-95

Mechanical

DIMENSIONAL TOLERANCES	±.015" Overall	±.015" Overall		
ACTUATION FORCE	6 ±3 Oz.	20 ±3 Oz.	12 ±3 Oz.	F1597-95
TRAVEL	.005" - .010"	.025" ±.005"		F1682-96
LIFE/CONTACT CLOSURE CYCLING	10 Million / Key Min.	1 Million / Key Min.		F1578-95
SHOCK	5 G's No Closure	5 G's No Closure		
VIBRATION	5 G's 3 Axes	5 G's 3 Axes		
TACTILE RATIO	Zero	>Zero**		F1570-94

Environmental

OPERATING TEMPERATURE	-40º +85ºC	-40º +65º C	-40º +85ºC	F1596-95
STORAGE TEMPERATURE	-40º +85ºC	-40º +65º C	-40º +85ºC	F1596-95
HUMIDITY	95% Re. Humidity	95% Rel. Humidity		F1596-95
	Non-Condensing	Non-Condensing		F1596-95

MANY OF THE ABOVE CHARACTERISTICS CAN BE CUSTOMIZED TO MEET THE REQUIREMENTS OF YOUR DESIGN AND APPLICATION.

1. CIRCUIT RESISTANCE VALUES CALCULATED TYPICALLY AT .05 OHMS/SQUARE/MIL MAXIMUM.
2. CAPACITANCE VALUES CALCULATED TYPICALLY AT (2 PT/LINEAL INCH) + (25 PF/INCH^2).

** Switch rating for optimum lift.*

** Many tactile responses are available depending on the keyboard design.*

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