$\qquad$

- SMA connector



2X Solder Terminals,Solder Wire Using Sn63,Maximum Temp $210^{\circ} \mathrm{C}$ For No More Than 5 Sec .


## SPDT Failsafe Actuator



Indicator


Indicator + TTL


Part Number Selection

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| Electrical Specifications |  |
| :---: | :---: |
| Operating Frequencies | DC to 33.5 GHz |
| VSWR | 1.25 @ DC to 6 GHz <br> 1.40 @ 6.0 to 12 GHz <br> $1.50 @ 12$ to 18 GHz <br> 1.60 @ 18 to 26.5 GHz <br> 1.95 @ 26.5 to 33.5 GHz |
| Isolation | $\begin{aligned} & 70 \mathrm{~dB} @ \mathrm{DC} \text { to } 6 \mathrm{GHz} \\ & 60 \mathrm{~dB} @ 6.0 \text { to } 12 \mathrm{GHz} \\ & 60 \mathrm{~dB} @ 12 \text { to } 18 \mathrm{GHz} \\ & 50 \mathrm{~dB} @ 18 \text { to } 26.5 \mathrm{GHz} \\ & 40 \mathrm{~dB} @ 26.5 \text { to } 33.5 \mathrm{GHz} \end{aligned}$ |
| Insertion Loss | 0.2 dB @ DC to 6 GHz <br> $0.4 \mathrm{~dB} @ 6.0$ to 12 GHz <br> $0.5 \mathrm{~dB} @ 12$ to 18 GHz <br> 0.6 dB @ 18 to 26.5 GHz <br> $0.95 \mathrm{~dB} @ 26.5$ to 33.5 GHz |
| Actuator Voltage | 12 VDC |
| Actuator Current | 195 mA |
| Switching Time | 15 MS |
| MTBF | 1.0 Million Hours |
| Power Connector | ITT KPTO2E12-10P Mating connector provided |
| Connectors | SMA(F) |
| Actuator type | A: Failsafe without Indicator <br> B: Failsafe with Indicator <br> C: Latching without Indicator <br> D: Latching with Indicator <br> E: Normally open without Indicator <br> F: Normally open with Indicator |
| Options | D: TTL Driver <br> E: Decoder <br> H: High power <br> T : Internal Terminations |
| Operating Life | 1 Million Cycles MIL-HDBK-217F Fixed, $25^{\circ} \mathrm{C},<1$ Cycle per hour |
| Characteristic Impedance | $50 \Omega$ (75 $\Omega$ available for SPDT upon request) |
| Operating Temperature | -25 to $+65^{\circ} \mathrm{C}$ |
| Humidity | Moisture Seal Available |
| Shock | MIL-STD-202 Method 213,Condition D(500G Non Operation) |

Yach reserves the right to change this Datasheet without notice!
For special requirements, pls inquiry.

