

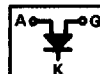
# Special Purpose Devices

## Silicon Unijunction Transistors (UJT)



| ECG Type | IE mA | $\eta$      |     | RBBO (Kohms) |     | Inter-Base Volts | PD mW | IEO $\mu$ Amps | IV (Min) mA | Package/Outline No. |
|----------|-------|-------------|-----|--------------|-----|------------------|-------|----------------|-------------|---------------------|
|          |       | Min         | Max | Min          | Max |                  |       |                |             |                     |
| ECG6400B | 50    | 0.54 - 0.67 |     | 4            | 12  | 55               | 450   | 1 Max          | 8           | TO-39<br>Fig. S1    |
| ECG6401  | 50    | 0.56 - 0.75 |     | 4.7          | 9.1 | 35               | 300   | 0.05 Typ       | 4           | TO-18<br>Fig. S2    |
| ECG6409  | 50    | 0.68 - 0.82 |     | 4.7          | 9.1 | 35               | 300   | 0.01 Typ       | 8           | TO-18<br>Fig. S2    |
| ECG6410  | 50    | 0.70 - 0.85 |     | 4.0          | 9.1 | 35               | 300   | .005 Typ       | 4           | TO-92<br>Fig. S3    |

## Programmable Unijunction Transistor (PUT)



| ECG Type | Forward Anode Current IT mA | Gate Current IG mA | BVGKF Volts | BVGKR Volts | VAKR Volts | PD mW | Package/Outline No. |
|----------|-----------------------------|--------------------|-------------|-------------|------------|-------|---------------------|
| ECG6402  | 150<br>(2 A Pk)             | $\pm 20$           | 40          | -5          | $\pm 40$   | 300   | Fig. S3             |

## Silicon Bilateral Switch (SBS)



| ECG Type | IFM Rep Amps | IF Max mA | VS Volts        | IS Max $\mu$ A | IH mA | PD mW | Package/Outline No. |
|----------|--------------|-----------|-----------------|----------------|-------|-------|---------------------|
| ECG6403  | 1.0          | 175       | 6 Min<br>10 Max | 500            | 1.5   | 300   | Fig. S3             |

## Silicon Unilateral Switch (SUS)



| ECG Type | IFM Rep Amps | IF Max mA | VS Volts        | IS Max $\mu$ A | IH mA | PD mW | Package/Outline No. |
|----------|--------------|-----------|-----------------|----------------|-------|-------|---------------------|
| ECG6404  | 1.0          | 175       | 6 Min<br>10 Max | 500            | 1.5   | 300   | Fig. S3             |

## Silicon Asymmetrical Switch (SAS)



| ECG Type | IFM Rep Amps | IF Max mA | VS Volts                     | IS Max $\mu$ A | Output Pulse Volts | PD mW | Package/Outline No. |
|----------|--------------|-----------|------------------------------|----------------|--------------------|-------|---------------------|
| ECG6405  | 0.5          | 200       | VS1, 14 to 18<br>VS2, 7 to 9 | 80             | 3.5 Min            | 350   | Fig. S3             |

