



2SD1555

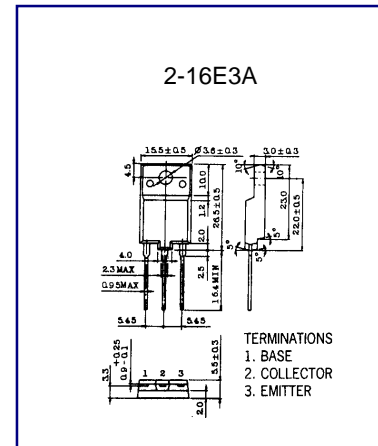
NPN TRIPLE DIFFUSED PLANAR SILICON TRANSISTOR

COLOR TV HORIZONTAL OUTPUT APPLICATIONS(Damper Diode BUILT IN)

- High Collector-Base Voltage($V_{CBO}=1500V$)
- High Speed Switching

ABSOLUTE MAXIMUM RATINGS ($T_A=25^\circ C$)

| Characteristic | Symbol | Rating | Unit |
|--------------------------------------------|-----------|---------|------------|
| Collector-Base Voltage | V_{CBO} | 1500 | V |
| Collector-Emitter Voltage | V_{CEO} | 1500 | V |
| Emitter-Base voltage | V_{EBO} | 6 | V |
| Collector Current (DC) | I_C | 5 | A |
| Collector Dissipation ($T_c=25^\circ C$) | P_C | 50 | W |
| Junction Temperature | T_j | 150 | $^\circ C$ |
| Storage Temperature | T_{stg} | -50~150 | $^\circ C$ |



ELECTRICAL CHARACTERISTICS ($T_A=25^\circ C$)

| Characteristic | Symbol | Test Condition | Min | Typ | Max | Unit |
|-------------------------------------------------|---------------|-------------------------------------------------------|-----|-----|-----|---------|
| Collector- Emitter Cutoff Current($V_{BE}=0$) | I_{CES} | $V_{CE}=1400V$, | | | 1.0 | mA |
| Collector Cutoff Current | I_{CBO} | $R_{BE}=0$ | | | 10 | μA |
| Emitter Cutoff Current | I_{EBO} | $V_{CB}=800V$, $I_E=0$ | | | 1.0 | mA |
| DC Current Gain | h_{FE} | $V_{EB}=4V$, $I_C=0$ | 8 | | | |
| Collector- Emitter Saturation Voltage | $V_{CE(sat)}$ | $V_{CE}=5V$, $I_C=1A$, $I_C=5A$, $I_B=1A$ | | | 5.0 | V |