

Fast switching (150 ns) and low $V_{CE}(\text{sat})$ (2.4 V) PDP Drive IGBT Devices: 2PG00X Series

■ Overview

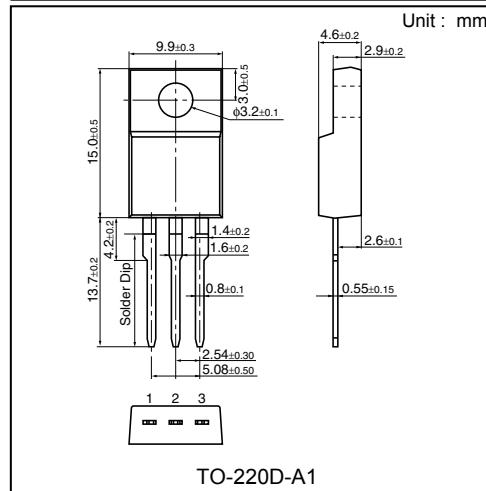
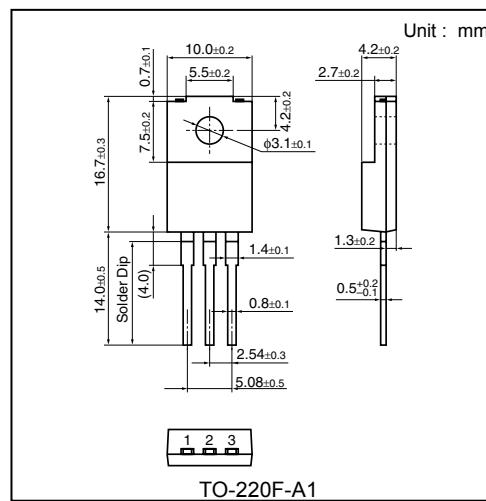
The 2PG00X series are PDP drive IGBT devices that respond to the needs for fast switching and low loss characteristics associated with the increasing image quality and lower power of PDP displays. These IGBT devices take advantage of the property that IGBT devices have lower loss in the high-current region than power MOSFETs to make them optimal for PDP drive.

■ Feature

- Low $V_{CE}(\text{sat})$
- Fast t_f
- TO-220F/TO-220D Package

■ Applications

Plasma display panel drive



■ Lineup

| Catalog number | VCES (V) | IC (A) | ICP (A) | $V_{CE}(\text{sat})$ max (@IC) (V) | t_f (typ.) (@IC) (ns) | Package |
|----------------|-------------|-----------|------------|--|-------------------------------|---------|
| 2PG001 | 300 | 30 | 120 | 2.5 | 150 | TO-220F |
| 2PG002 | 400 | 40 | 160 | 2.4 | 190 | TO-220F |
| 2PG003 | 430 | 40 | 160 | 2.4 | 200 | TO-220F |
| 2PG004 | 300 | 30 | 120 | 2.5 | 150 | TO-220D |
| 2PG005 | 300 | 40 | 200 | 2.5 | 165 | TO-220D |
| 2PG006 | 430 | 40 | 200 | 2.4 | 175 | TO-220D |