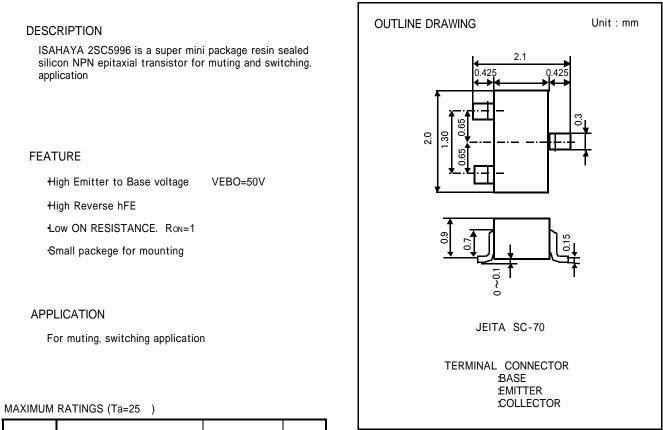
2SC5996

FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE





| Symbol | Parameter | Ratings | Unit |
|--------|------------------------------|------------|------|
| Vсво | Collector to Base voltage | 50 | V |
| Vceo | Collector to Emitter voltage | 12 | V |
| Vebo | Emitter to Base voltage | 50 | V |
| Ιc | Collector current | 200 | mA |
| Рс | Collector dissipation | 150 | mW |
| Tj | Junction temperature | +125 | |
| Tstg | Storage temprature | -55 ~ +125 | |

ELECTRICAL CHARACTERISTICS (Ta=25)

| Symbol | Parameter | Test conditions | | Limits | | |
|----------|------------------------------|--------------------------|-----|--------|------|------|
| | | | Min | Тур | Max | Unit |
| І сво | Collector cut off current | VCB=50V, I E=0mA | | | 0.1 | μA |
| I EBO | Emitter cut off current | VEB=50V, IC=0mA | | | 0.1 | μA |
| hFE | DC forward current gain | VCE=2V, I C=4mA | 200 | | 1200 | |
| VCE(sat) | C to E saturation voltage | I с=30mA, I в=3mA | | 30 | | mV |
| f⊤ | Gain bandwidth product | VCE=6V, I C=4mA | | 30 | | MHz |
| Cob | Collector output capacitance | VCB=10V, I E=0mA, f=1MHz | | 5.0 | | pF |

| Item | А | В | | |
|---------|------------|-------------|--|--|
| hFE | 200 to 700 | 350 to 1200 | | |
| Marking | 5A | 5B | | |

MARKING

TYPE NAME

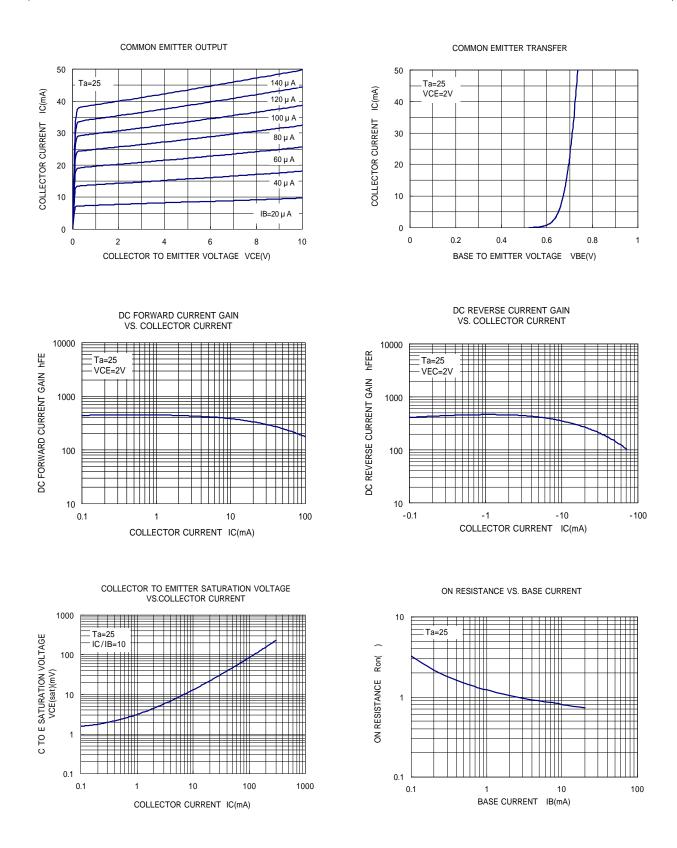
5

hFE ITEM

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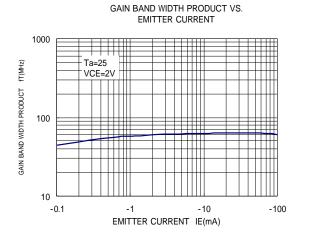
SMALL-SIGNAL TRANSISTOR

2SC5996 FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE

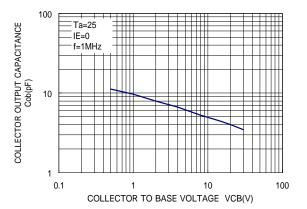


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2SC5996 FOR LOW FREQUENCY AMPLIFY APPLICATION SILICON NPN EPITAXIAL TYPE



COLLECTOR OUTPUT CAPACITANCE VS. COLLECTOR TO BASE VOLTAGE



ISAHAYA ELECTRONICS CORPORATION



Marketing division, Marketing planning department

6-41 Tsukuba, Isahaya, Nagasaki, 854-0065 Japan

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