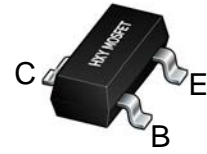




FEATURES

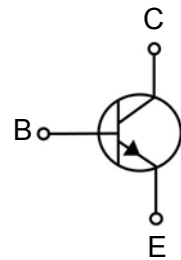
- Low Cob:Cob=2.0pF(Typ)
- Complement to 2SA1774



SOT-523

Package Marking and Ordering Information

| Product ID | Pack | Marking | Qty(PCS) |
|------------|---------|---------|----------|
| 2SC4617 | SOT-523 | BR | 3000 |



MAXIMUM RATINGS (Ta=25 unless otherwise noted)

| Parameter | Symbol | Limit | Unit |
|---|-----------|----------|------|
| Collector-Base Voltage | V_{CBO} | 60 | V |
| Collector-Emitter Voltage | V_{CEO} | 50 | V |
| Emitter-Base Voltage | V_{EBO} | 6 | V |
| Collector Current | I_C | 150 | mA |
| Collector Power Dissipation | P_C | 150 | mW |
| Thermal Resistance From Junction To Ambient | R_{OJA} | 833 | °C/W |
| Junction Temperature | T_J | 150 | °C |
| Storage Temperature | T_{stg} | -55~+150 | °C |

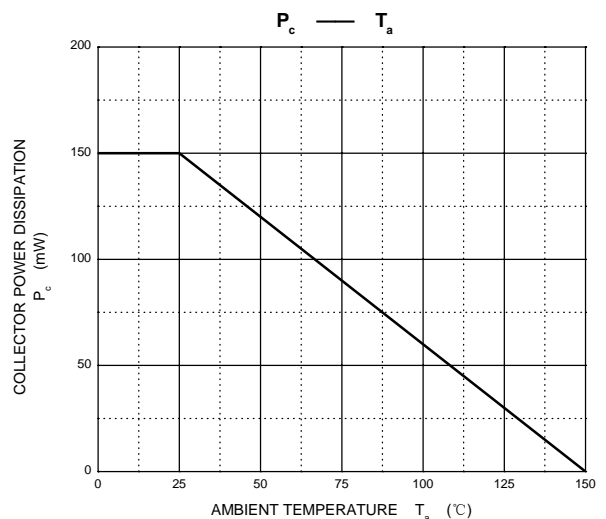
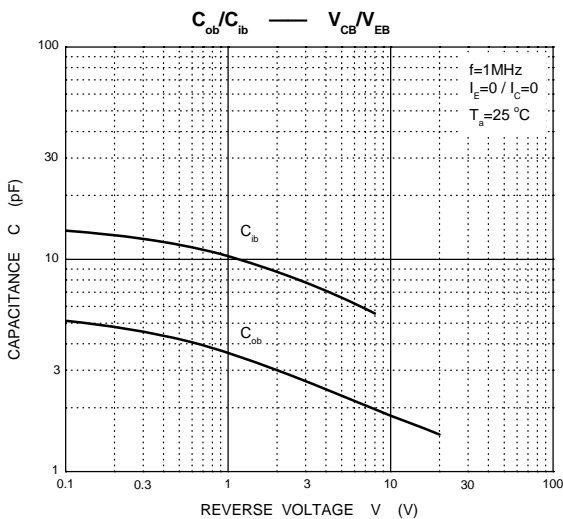
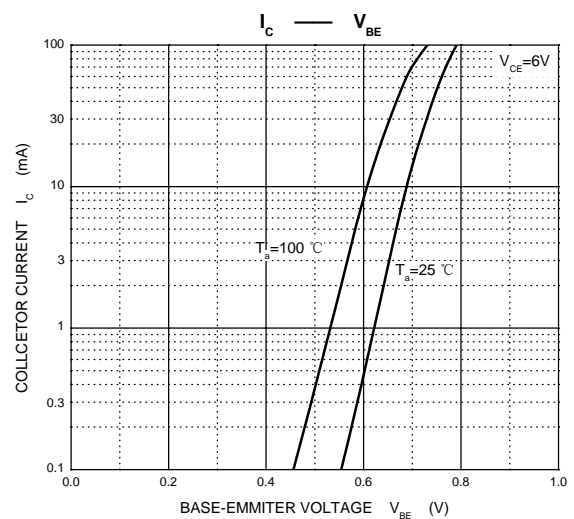
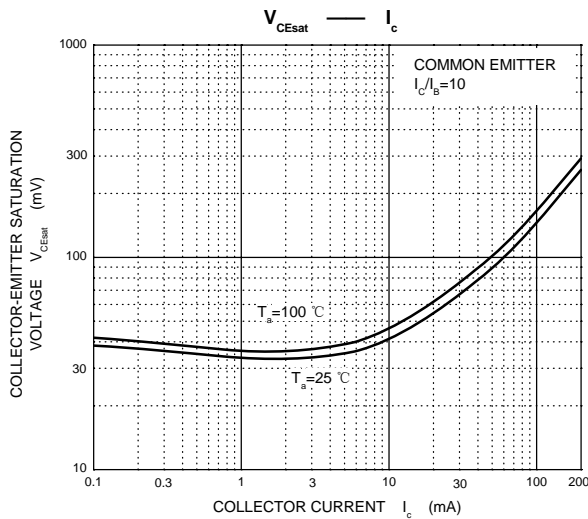
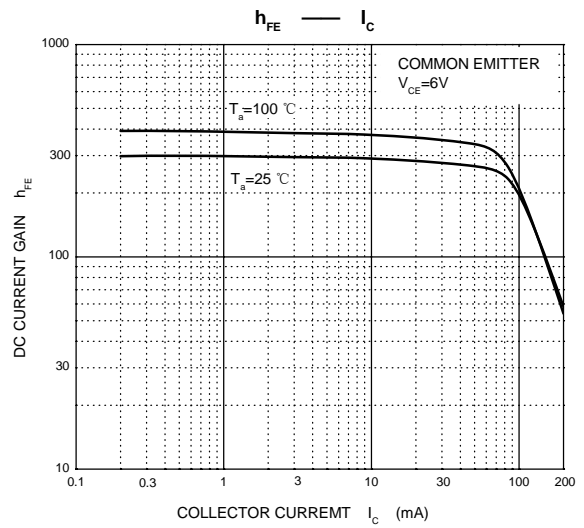
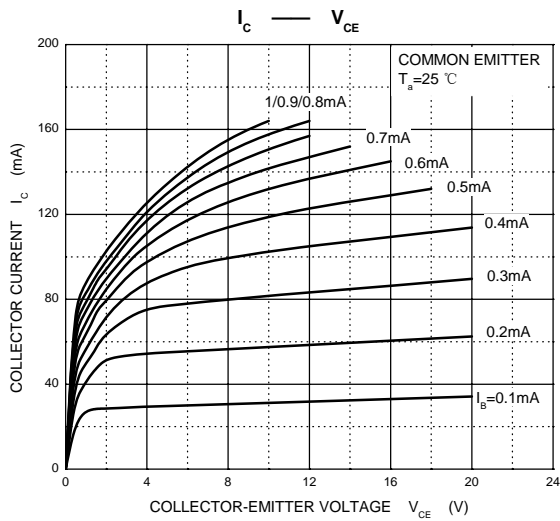


ELECTRICAL CHARACTERISTICS (T_a=25°C unless otherwise specified)

| Parameter | Symbol | Test conditions | Min | Typ | Max | Unit |
|--------------------------------------|----------------------|---|-----|-----|-----|------|
| Collector-base breakdown voltage | V _{(BR)CBO} | I _C =50μA, I _E =0 | 60 | | | V |
| Collector-emitter breakdown voltage | V _{(BR)CEO} | I _C =1mA, I _B =0 | 50 | | | V |
| Emitter-base breakdown voltage | V _{(BR)EBO} | I _E =50μA, I _C =0 | 7 | | | V |
| Collector cut-off current | I _{CBO} | V _{CB} =60V, I _E =0 | | | 0.1 | μA |
| Emitter cut-off current | I _{EBO} | V _{EB} =7V, I _C =0 | | | 0.1 | μA |
| DC current gain | h _{FE} | V _{CE} =6V, I _C =1mA | 180 | | 390 | |
| Collector-emitter saturation voltage | V _{CE(sat)} | I _C =50mA, I _B =5mA | | | 0.4 | V |
| Transition frequency | f _T | V _{CE} =12V, I _C =2mA, f=100MHz | | 180 | | MHz |
| Collector output capacitance | C _{ob} | V _{CB} =12V, I _E =0, f=1MHz | | | 3.5 | pF |

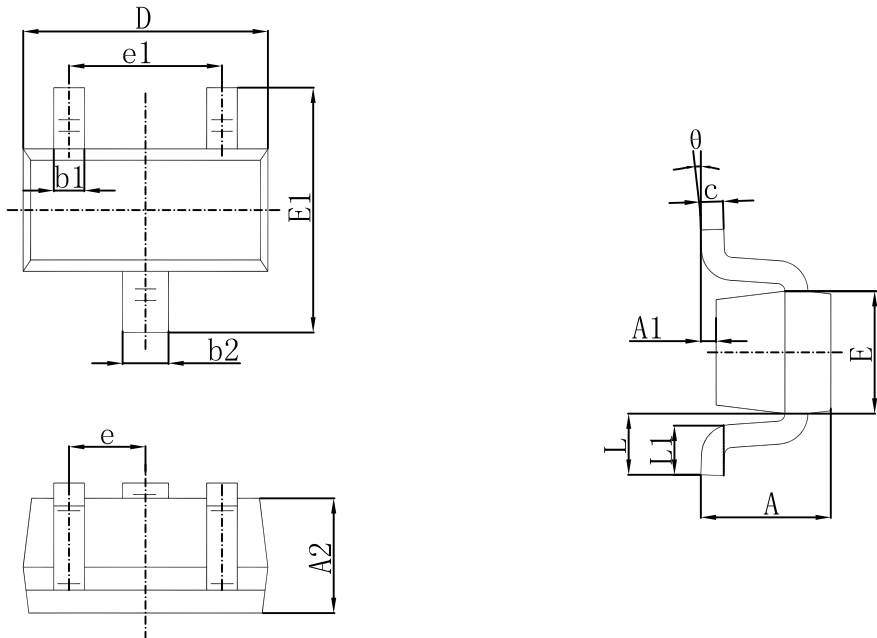


Typical Characteristics





SOT-523 Package Outline Dimensions



| Symbol | Dimensions In Millimeters | | Dimensions In Inches | |
|--------|---------------------------|-------|----------------------|-------|
| | Min. | Max. | Min. | Max. |
| A | 0.700 | 0.900 | 0.028 | 0.035 |
| A1 | 0.000 | 0.100 | 0.000 | 0.004 |
| A2 | 0.700 | 0.800 | 0.028 | 0.031 |
| b1 | 0.150 | 0.250 | 0.006 | 0.010 |
| b2 | 0.250 | 0.350 | 0.010 | 0.014 |
| c | 0.100 | 0.200 | 0.004 | 0.008 |
| D | 1.500 | 1.700 | 0.059 | 0.067 |
| E | 0.700 | 0.900 | 0.028 | 0.035 |
| E1 | 1.450 | 1.750 | 0.057 | 0.069 |
| e | 0.500 TYP. | | 0.020 TYP. | |
| e1 | 0.900 | 1.100 | 0.035 | 0.043 |
| L | 0.400 REF. | | 0.016 REF. | |
| L1 | 0.260 | 0.460 | 0.010 | 0.018 |
| θ | 0° | 8° | 0° | 8° |



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