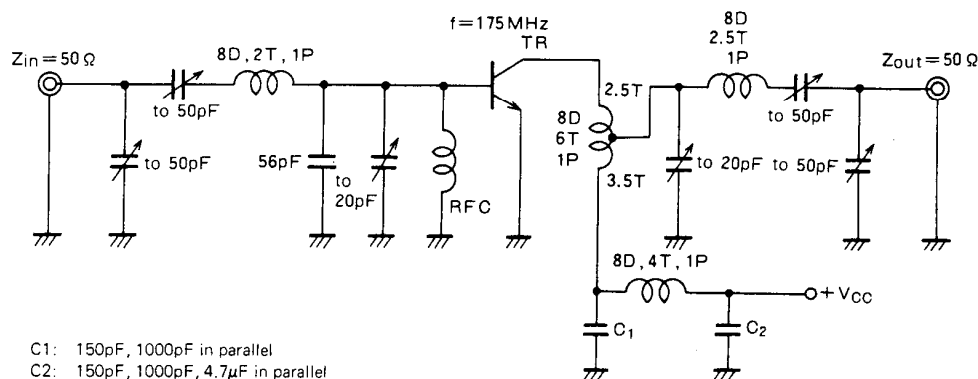




**NPN EPITAXIAL PLANAR TYPE**

**TEST CIRCUIT**



C1: 150pF, 1000pF in parallel

C2: 150pF, 1000pF, 4.7μF in parallel

NOTES: All coils are made from 1.5mmφ silver plated copper wire

Coil Dimensions in milli-meter

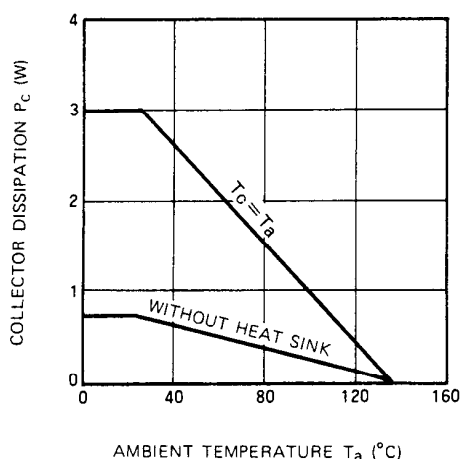
D: Inner diameter of coil

T: Turn number of coil

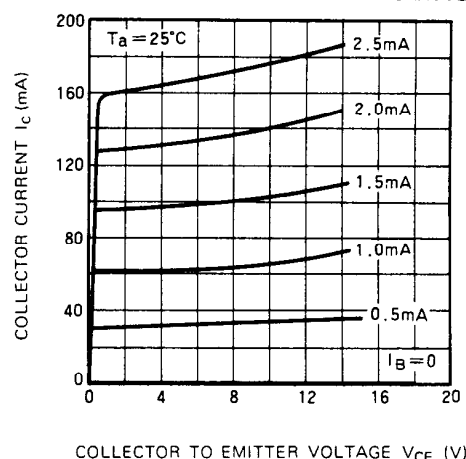
P: Pitch of coil

**TYPICAL PERFORMANCE DATA**

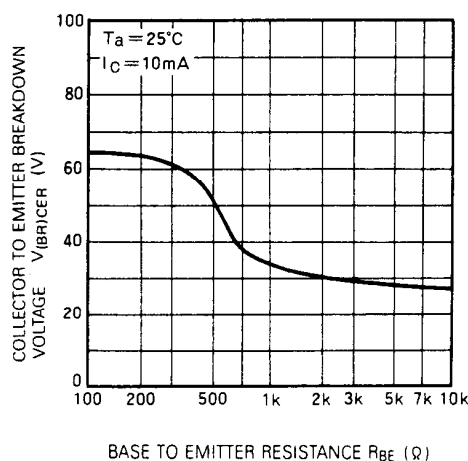
**COLLECTOR DISSIPATION VS. AMBIENT TEMPERATURE**



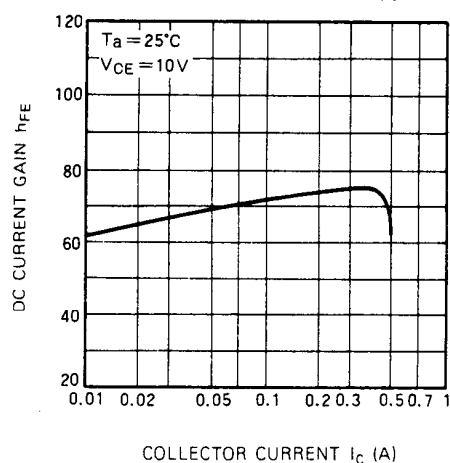
**COLLECTOR CURRENT VS. COLLECTOR TO EMITTER VOLTAGE**



**COLLECTOR TO EMITTER BREAKDOWN VOLTAGE VS. BASE TO EMITTER RESISTANCE**

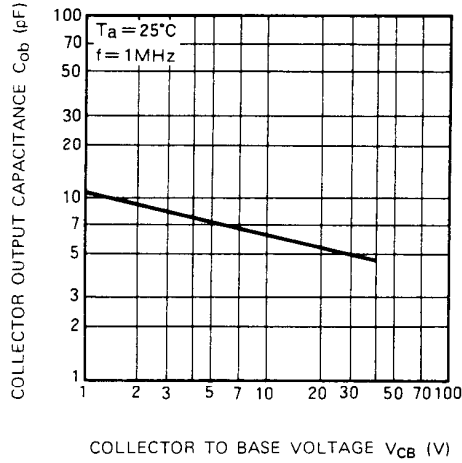


**DC CURRENT GAIN VS. COLLECTOR CURRENT**

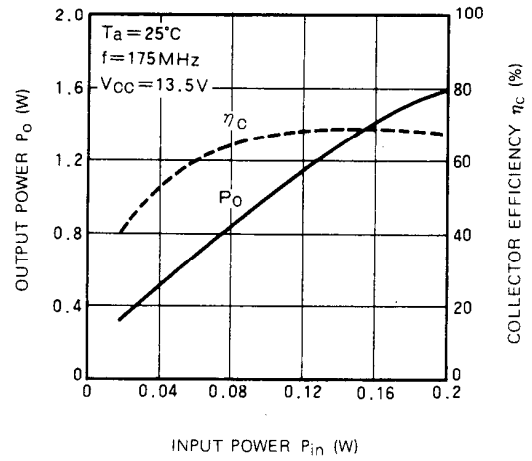


**NPN EPITAXIAL PLANAR TYPE**

**COLLECTOR OUTPUT CAPACITANCE VS.  
COLLECTOR TO BASE VOLTAGE**



**OUTPUT POWER, COLLECTOR  
EFFICIENCY VS. INPUT POWER**



**OUTPUT POWER VS. COLLECTOR  
SUPPLY VOLTAGE**

