CURVES - EXAMPLES

Mosfet N/P Channel

ID vs. VDS (at range of VGS)
ID vs. VGS (at range of VDS)
IS vs. VSD
RDS vs. VGS (at fixed ID)
RDS vs. ID (at several VGS)
IDSS vs. VDS (Reverse Bias Selectable)
VGSTH vs. ID
IGSS vs. VGS

Transistor NPN / PNP

HFE vs. IC
BVCE(O,S,R,V) vs. IC
BVEBO vs. IE
ICBO vs. VCBO
VCE(SAT) vs. IC (at fixed IC/IB ratio)
VCE(SAT) vs. IB (at range of IC)
VBE(SAT) vs. IC (at fixed IC/IB ratio)
VBE(ON) vs. IC (at fixed VCE)
IC vs. VCE (at range of IB)(Curve Tracer only)
IEBO vs. VEB
ICEO vs. VCE

IGBT N/P Channel

IC vs. VCE (at range of VGE)
IC vs. VGE (at range of VCE)
ICES vs. VCE
IF vs. VF
VCE vs. VGE

Diode

IF vs. VF IR vs. VR

Zener

IF vs. VF IZ vs. BVZ

TRIAC

IT vs. VT+ (at fixed IG and RGK open) IT vs. VT- (at fixed IG and RGK open)

SCR

IT vs. VTM (at fixed IG and RGK open)

SSOVP

IT vs. VT+ (at fixed IBO) IT vs VT- (at fixed IBO)

SIDAC

IT vs. VT+ (at fixed IBO) IT vs VT- (at fixed IBO)

DIAC

ID vs. VF+ ID vs. VF-

Regulator Positive

Electronic Load vs. VOUT (at fixed IMAX)

Regulator Negative

Electronic Load vs. VOUT (at fixed IMAX)

JFET N/P Channel

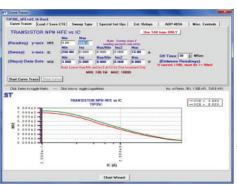
ID(OFF) vs. VDS (at range of VGS)
ID(OFF) vs. VGS (Reverse Bias) (at fixed VDS)
ID(ON) vs. VDS (at range of VGS)
ID(ON) vs. VGS (Reverse Bias) (at fixed VDS)

Other Curves

V vs. I Quadrants I and III I vs. V Quadrants I and III



NMOS RDSON vs VGS (Figure 1)
Depletion Mode Device



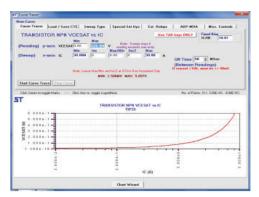
NPN hFE vs IC (Figure 2)



N JFET, IDON vs VDS (Figure 3)



CURVE SUITE (Figure 4)



NPN VCESAT vs IC, IC/IB Fixed Ratio (Figure 5)



NPN IC vs VCE (Figure 6)

HFE vs IC



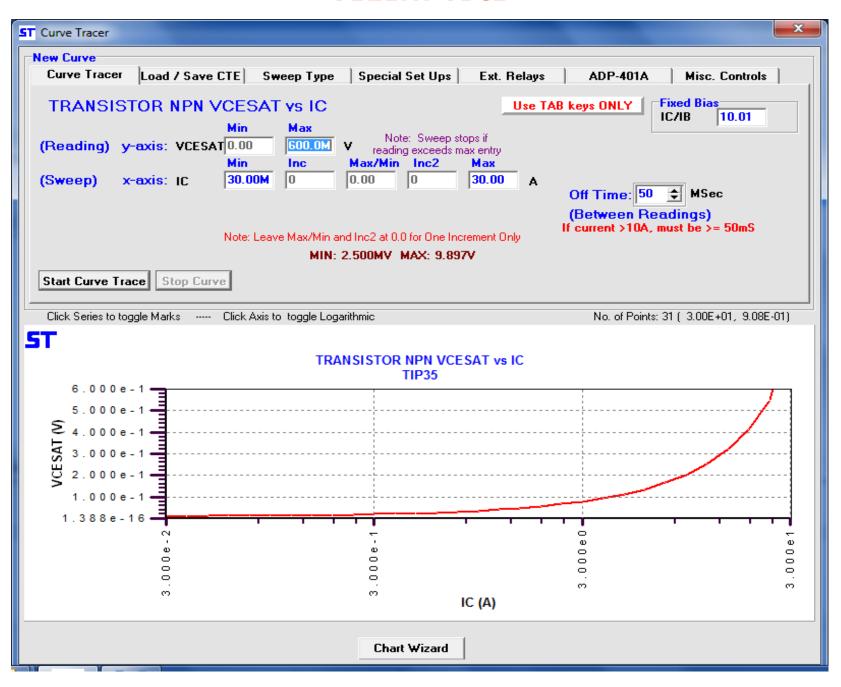
IDON vs VDS



CURVE SUITE



VCESAT vs IC



IC vs VCE

