

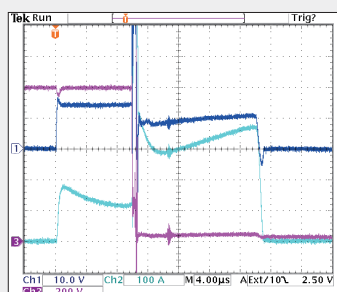
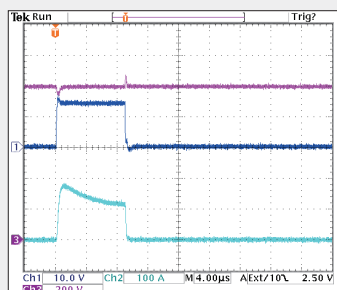
IGBT

SHORT CIRCUIT TEST SYSTEM

短絡試験器

SCT1010ZZ 1000V
1000A

Measurement Waveform



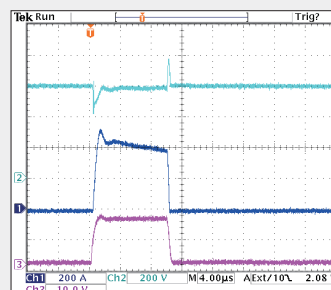
IGBT

SHORT CIRCUIT TEST SYSTEM

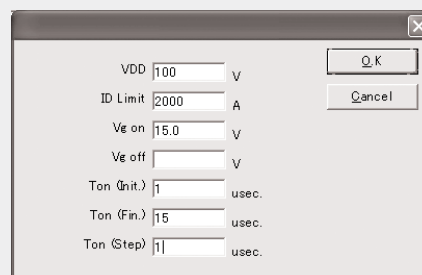
短絡試験器

SCT620ZZ-7SC 600V
2000A

Measurement Waveform



Software Display



- SCT1010ZZ has been designed to test energy tolerance of IGBT device at short circuit. Energy amount is calculated by digital oscilloscope waveform which is corresponded with software. Also, it has preventive function not to break D.U.T for safety.

- SCT1010ZZはIGBT素子の短絡時におけるエネルギー耐量を試験します。付属のソフトウェアとの連動によりオシロスコープ波形からエネルギー量を計算します。また安全性を考慮し、D.U.T.の破壊防止機能も盛り込まれています。

- SCT620ZZ-7SC is short circuit tester which can measure 7 device of IGBT module at maximum. This tester is unified with measurement jig for useful operations.

- IGBTモジュールの最大7素子までの測定を可能としている短絡試験器です。測定治具との一体型で構成されており作業性に優れています。

MODEL	SCT1010ZZ	SCT620ZZ-7SC
MEASURABLE DEVICES	N-IGBT	N-IGBT(7device)
BIAS SETTING RANGE		
VDD	10V~999V(1V STEP)	100V~600V(1V STEP)
ICL	10A~999A(1A STEP)	10A~2000A (1A STEP)
VGF	0V~+39.9V(0.1V STEP)	0V~+40.0V(0.1V STEP)
VGR	0V~-39.9V(0.1V STEP)	0V~-40.0V(0.1V STEP)
TON	2.0μs~999.9μs(0.1μs STEP)	1μs~20μs(1μs STEP)
TEST ITEMS		
ICP1	—	10A~2000A
ICP2	—	1.0A~9.9A
VCE1	—	100V~600V
OPEN/SHORT	Impress to DUT through 1kΩ at VDD voltage VDD電圧にて1kΩを通してDUTへ印加	Impress to DUT through 600Ω at VDD voltage VDD電圧にて600Ωを通してDUTへ印加
BINNING		
BIN INDICATION	PASS, POST-FAIL, FAIL, PRE-FAIL	PASS, POST-FAIL, FAIL, PRE-FAIL
DIMENSIONS & WEIGHT		
MAIN UNIT	550(W)×860+350(D)×1700(H)…335kg	550(W)×860+370(D)×1700(H)…300kg