

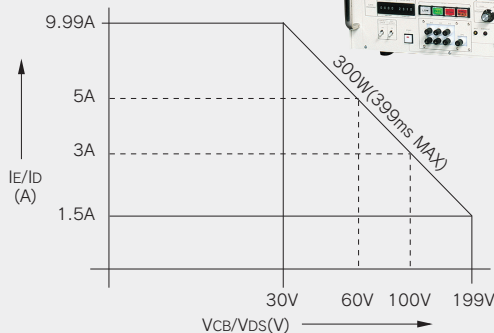
TRANSISTOR MOS-FET DIODE

$\Delta V_{BE}/\Delta V_{DS}/\Delta V_F$ TESTER 過渡熱抵抗測定器

DVN210 200V 10A



Forcing Power Range Diagram



- The thermal resistance characteristics (θ_{jc}) of MOS-FETs, transistors, and diodes are measured as the temperature change (ΔmV) of the PN junction. The tester has contact check and oscillation detection function.
- トランジスタ、MOS-FET・ダイオードの過渡熱抵抗 (θ_{jc}) をPNジャンクションの温度変化 (ΔmV) として測定します。コンタクトチェックや発振検出機能が装備されています。

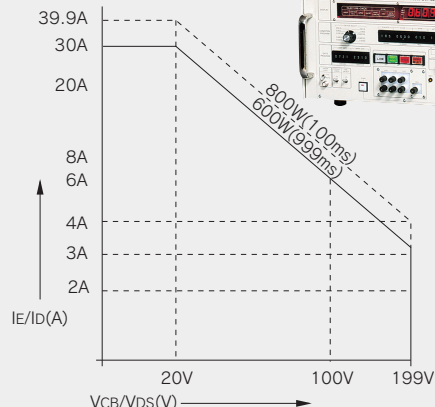
TRANSISTOR MOS-FET IGBT DIODE

$\Delta V_{BE}/\Delta V_{DS}/\Delta V_{GE}/\Delta V_{CE}/\Delta V_F$ TESTER 過渡熱抵抗測定器

DVFN240 200V 40A



Forcing Power Range Diagram



- DVFN240 is the standard model of thermal resistance tester. This tester is used at many semiconductor factories and companies all over the world. It has 200V, 40A, and forcing power is 800W at maximum.
- DVFN240は熱抵抗テスターのスタンダードモデルで、世界中の多くの半導体工場や研究施設で使用されています。200V、40Aで最大800Wの印加電力を持ちます。

MODEL	DVN210	DVFN240
MEASUREMENT RANGE		
PRE-TEST	B-E OPEN/SHORT	B-E OPEN/SHORT
	$V_{BE1}/V_{DS1}/V_F$ 0000mV~4095mV	$V_{BE1}/V_{DS1}/V_{GE1}/V_{CE1}/V_F$ 0000mV~9999mV
	$\Delta V_{BE}/\Delta V_{DS}/\Delta V_F$ 0000mV~1999mV	$\Delta V_{BE}/\Delta V_{DS}/\Delta V_{GE}/\Delta V_{CE}/\Delta V_F$ 0000mV~1999mV
SETTING RANGE		
MEASURABLE DEVICES	NPN/PNP, N/P MOS-FET, N/P-DIODE	NPN/PNP, N/P MOS-FET, N/P-DIODE, P/N-IGBT(GE), P/N-IGBT(CE)
VCB/VDS	1V~199V	1V~199V
IE/ID	10mA~9.99A	0.01A~39.99A
IM	1mA~99mA	1mA~99mA
POWER FORCING TIME(PT)	100 μ s~999ms	100 μ s~999ms
DELAY TIME(DT)	10 μ s~999 μ s	10 μ s~999 μ s
GATE LIMIT(GL)	1.0V~19.9V	1.0V~19.9V
LOWER GATE(LG)/UPPER GATE(UG)	0000mV~1999mV	0000mV~1999mV
BINNING AND INTERFACE		
OPEN/SHORT CHECK	$V_F1 > 3V$...OPEN $V_F1 < 0.2V$...SHORT	$V_F1 > 4V$...OPEN $V_F1 < 0.2V$...SHORT
BIN INDICATION	PASS, LOW, HIGH, AVAL, REJECT	PASS, LOW, HIGH, AVAL, REJECT
EXTERNAL I/F	Handler-I/F STANDARD	Handler-I/F STANDARD
EXT CONTROL I/F	IEEE-488 I/F STANDARD(GP-IB)	IEEE-488 I/F STANDARD(GP-IB)
DIMENSIONS & WEIGHT		
MAIN UNIT	430(W)×550(D)×245(H)…33kg	430(W)×700(D)×245(H)…44kg
POWER UNIT	430(W)×550(D)×245(H)…36kg	430(W)×700(D)×245(H)…47kg
HEAD BOX	110(W)×220(D)×165(H)…2kg	110(W)×220(D)×165(H)…2kg