T-39-15

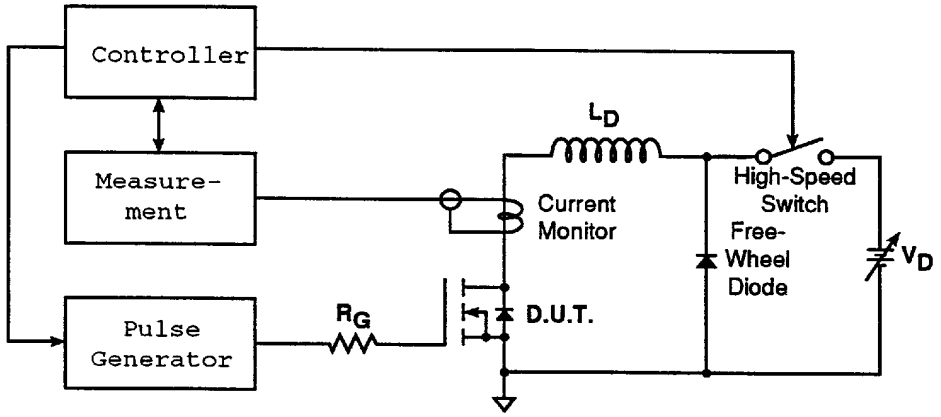
ADVANCED POWER TECHNOLOGY®

405 S.W. Columbia Street
Bend, Oregon 97702-1035, USA
PH: (503) 382-8028
FAX: (503) 388-0364

APT TO-247 SINGLE PULSE UIS RATED POWER MOSFETs

APT PART NUMBER	E_{AS} (mJ)	I_D (Amps)	L_D (mH)
APT4020BNR	1200	26.0	3.6
APT4025BNR	1200	26.0	3.6
APT4030BNR	760	18.5	4.4
APT4040BNR	760	18.5	4.4
APT4065BNR	480	11.0	7.9
APT4080BNR	480	11.0	7.9
APT5020BNR	1000	28.0	2.6
APT5022BNR	1000	28.0	2.6
APT5025BNR	960	23.0	3.6
APT5027BNR	960	23.0	3.6
APT5030BNR	960	23.0	3.6
APT5040BNR	760	16.0	5.9
APT5050BNR	760	16.0	5.9
APT5085BNR	480	9.5	10.6
APT501R1BNR	480	9.5	10.6
APT6030BNR	1000	23.0	3.8
APT6033BNR	1000	23.0	3.8
APT6035BNR	820	19.0	4.5
APT6040BNR	820	19.0	4.5
APT6045BNR	820	19.0	4.5
APT6060BNR	650	13.0	7.7
APT6070BNR	650	13.0	7.7
APT601R3BNR	410	7.5	14.6
APT601R6BNR	410	7.5	14.6

Simplified UIS Test Circuit for Power MOSFETs



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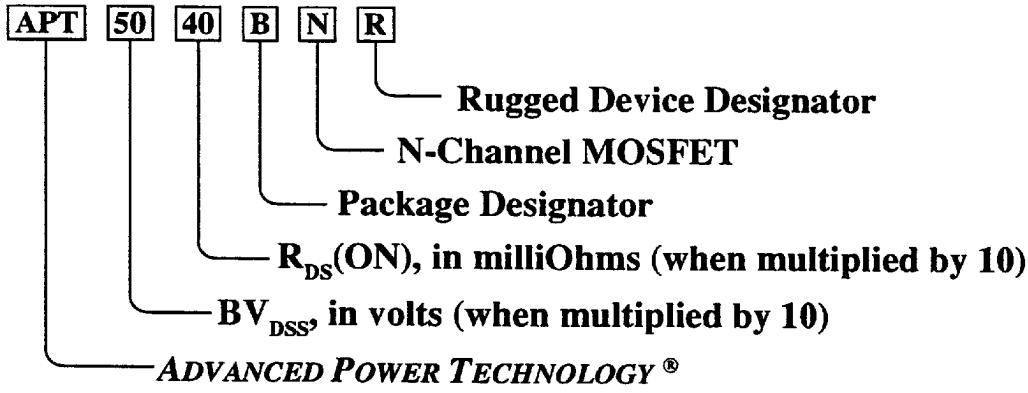
TERMS and DEFINITIONS

E_{AS} = Single Pulse Avalanche Energy (milliJoules)
$= {}^1/_2 L_D I_D^2$

I_D = Maximum Rated Drain Current (Amperes)

L_D = Drain Inductance Value (milliHenries)

PART NUMBERING SYSTEM



ORDERING INFORMATION

To place an order for a device within the the "Rugged" product family, just add an "R" to the end of the APT 400, 500 or 600 volt TO-247 standard part numbers. If you have any further questions or comments regarding APT's "Rugged" product line of Power MOS IV™ MOSFETs please contact your APT regional sales representative.