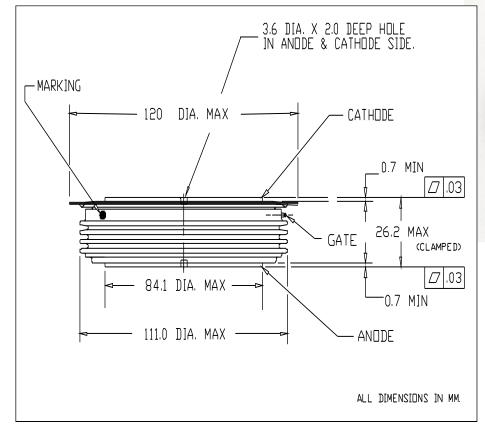


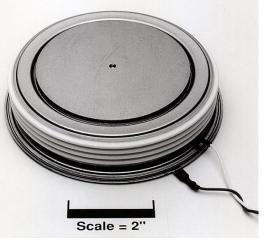
Powerex, Inc., 173 Pavilion Ln, Youngwood, PA 15697-1800 (724)925-7272 WWW.PWRX.COM

TCU4__340H

Phase Control Thyristor

3400 Amperes 2800 Volts





The TCU4 is a high voltage, high current disc pack SCR employing a high di/dt gate structure. This gate design allows the SCR to be reliably operated at high di/dt and dv/dt conditions in various phase control applications.

FEATURES:

Low On-State Voltage High di/dt Capability High dv/dt Capability Hermetic Ceramic Package Excellent Surge and I²t Ratings

APPLICATIONS:

DC Power Supplies Motor Controls SS Contactors

ORDERING INFORMATION

Select the complete 12 digit Part Number using the table below. EXAMPLE: TCU428340HDH is a 2800V-3400A SCR with 250ma IGT and standard 12 inch gate and cathode potential leads.

	Voltage	Voltage	Current	Current			
PART	Rating	Code	Rating	Code	Turn-Off	Gate	Leads
	V_{DRM} - V_{RRM}		I _{tavg}		Τq	I _{GT}	
TCU4	2800	28	3400	34	0	Н	DH
	2600	26					TM*
	2400	24			500us	250ma	12" std.
	2200	22			(typ.)	(max)	
* Optional TM lead consist of 20AWG FEP insulated twisted pair wires 17.5 inches in							
length with ¼" insulated fast-on terminals.							

Revised: