



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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HIGH VOLTAGE, HIGH CURRENT, STANDARD RECOVERY DOUBLER AND CENTER TAPS

QUICK REFERENCE DATA

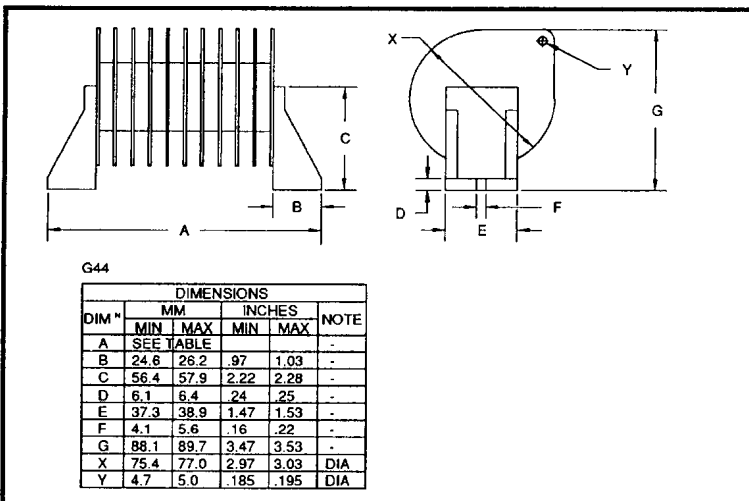
- Up to 11A forward current and 15kV reverse voltage
- Air or oil environment
- High reverse surge current
- High thermal shock resistance
- Integral cooling fins

- $V_R = 5kV - 15kV$
- $I_F = 11.0A$
- $I_R = 1.0 \mu A$
- $I_{FSM} = 150A$

ABSOLUTE MAXIMUM RATINGS

Device Type	Working Reverse Voltage V_{RWM}	Average Rectified Current			1 Cycle Surge Current $t_p = 8.3mS$		Repetitive Surge Current @ 25°C	I^2t $t_p = 8.3mS$ @ 25°C	Body length dim A
		air 55°C	air 100°C	oil 55°C	@ 25°C	@ 100°C			
		Volts	Amps	Amps	Amps	Amps	Amps	Amps	A ² S
SCPND5	5000	5.5	3.0	11	150	80	25	93.4	5.53
SCPND10	10000								8.83
SCPND15	15000								12.13
SCPNN5	5000	11.0	6.0	22	150	80	25	93.4	5.53
SCPNN10	10000								8.83
SCPNN15	15000								12.13
SCPNP5	5000	11.0	6.0	22	150	80	25	93.4	5.53
SCPNP10	10000								8.83
SCPNP15	15000								12.13

MECHANICAL



January 9, 1998

CHARACTERISTICS (apply per leg)

Device Type	Reverse Current @ V_{RWM}		Maximum Forward Voltage V_F @ 3.0A. @ 25°C	Maximum Reverse Recovery Time ¹ t_{rr} @ 25°C
	@ 25 °C	@ 100 °C		
	μA	μA	Volts	nS
SCPND5 SCPND10 SCPND15	1.0	20	5.0 10.0 15.0	2000
SCPNN5 SCPNN10 SCPNN15	1.0	20	5.0 10.0 15.0	2000
SCPNP5 SCPNP10 SCPNP15	1.0	20	5.0 10.0 15.0	2000

¹ Measured on discrete devices prior to assembly

Operating temperature range -55 °C to +150 °C
Storage temperature range -55 °C to +150 °C

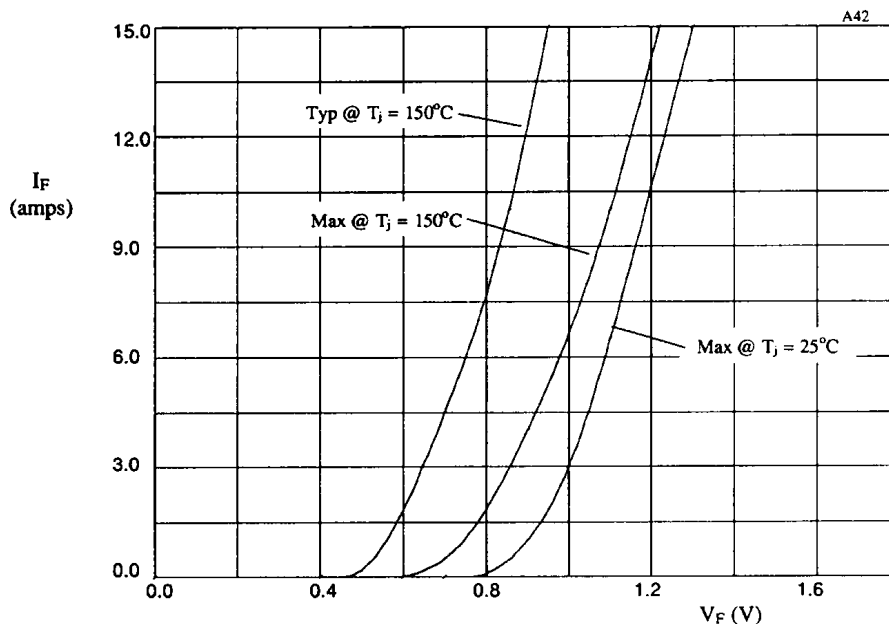


TABLE I

DEVICE	X-axis
SCPND*5	x1
SCPND*10	x2
SCPND*15	x3

Figure 1. Maximum and typical forward voltage drops as a function of forward current ($T_j = 25^\circ\text{C}$ & 150°C) for use with table 1.