



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 DENSITY, HIGH VOLTAGE, STANDARD RECOVERY DOUBLER AND CENTER TAPS

- Low reverse leakage currents
- Corona free design
- Easy aluminum base mount
- Low forward voltage drop
- Up to 15kV reverse voltage

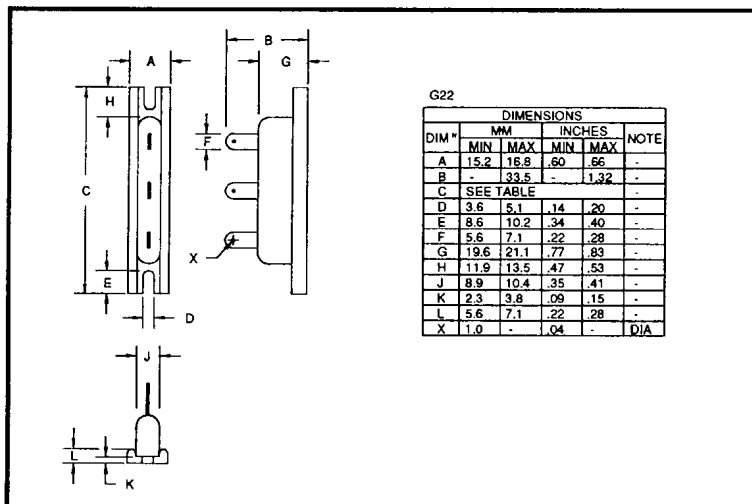
QUICK REFERENCE DATA

- $V_R = 5kV - 15kV$
- $I_F = 2.0A$
- $t_{rr} = 2.0\mu S$
- $I_R = 1.0\mu A$

ABSOLUTE MAXIMUM RATINGS

Device Type	Working Reverse Voltage V_{RWM}	Average Rectified Current		1 Cycle Surge Current $t_p = 8.3mS$ @ 25°C	Operating and storage temp. ranges. T_{OP} & T_{STG}	Case Length
		air 25 °C	oil 55 °C			
		Volts	Amps			Amps
SDHD5KM	5000	1.0	1.0	50	-55 to +150	4.72
SDHD10KM	10000					4.72
SDHD15KM	15000					6.09
SDHN5KM	5000	2.0	2.0	50	-55 to +150	4.72
SDHN10KM	10000					4.72
SDHN15KM	15000					6.09
SDHP5KM	5000	2.0	2.0	50	-55 to +150	4.72
SDHP10KM	10000					4.72
SDHP15KM	15000					6.09

MECHANICAL



January 9, 1998

CHARACTERISTICS (ratings apply per leg)

Device Type	Reverse Current @ V_{RWM}		Maximum Forward Voltage V_F @ 1.0A @ 25°C	Maximum Reverse Recovery Time ¹ @ 25°C
	@ 25°C	@ 100°C		
	μA	μA	Volts	μS
SDHD5KM SDHD10KM SDHD15KM	1.0	25	6.6 13.2 19.8	↑ 2.0 ↓
SDHN5KM SDHN10KM SDHN15KM	1.0	25	6.6 13.2 19.8	
SDHP5KM SDHP10KM SDHP15KM	1.0	25	6.6 13.2 19.8	

¹ Measured on discrete devices prior to assembly

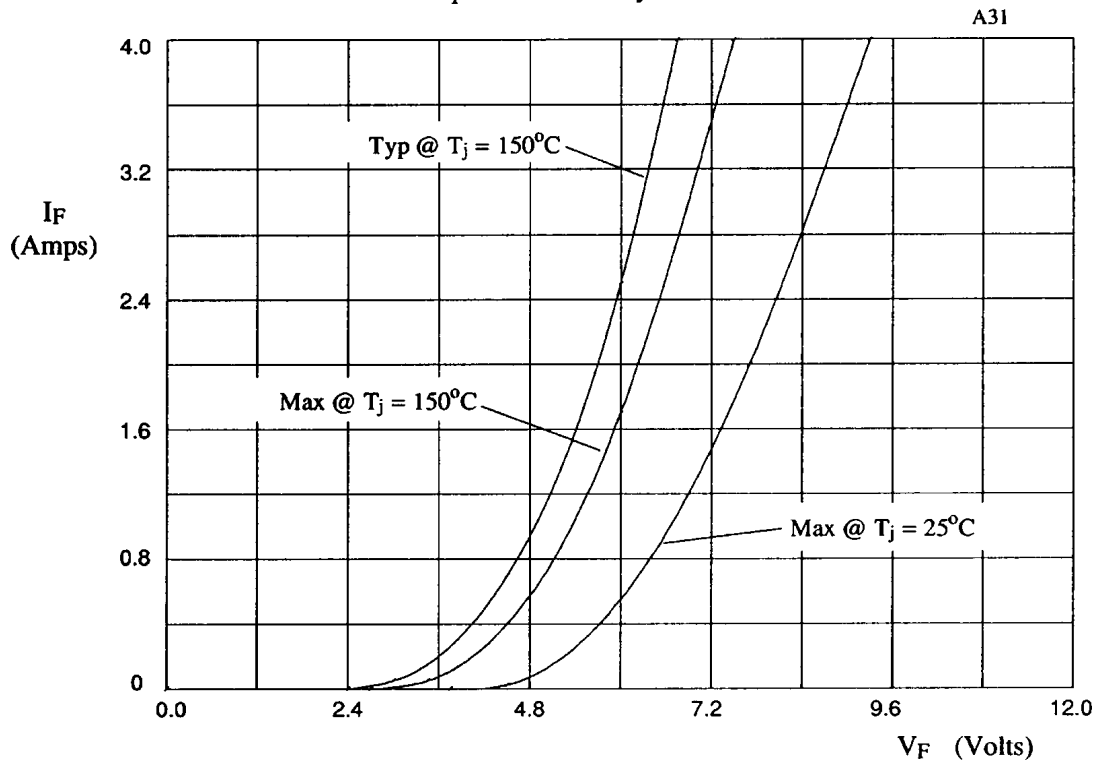


Fig 1. Forward voltage drop per leg as a function of forward current for SDH*5KM.

For SDH*10KM multiply X-axis by 2.

For SDH*15KM multiply X-axis by 3.