



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

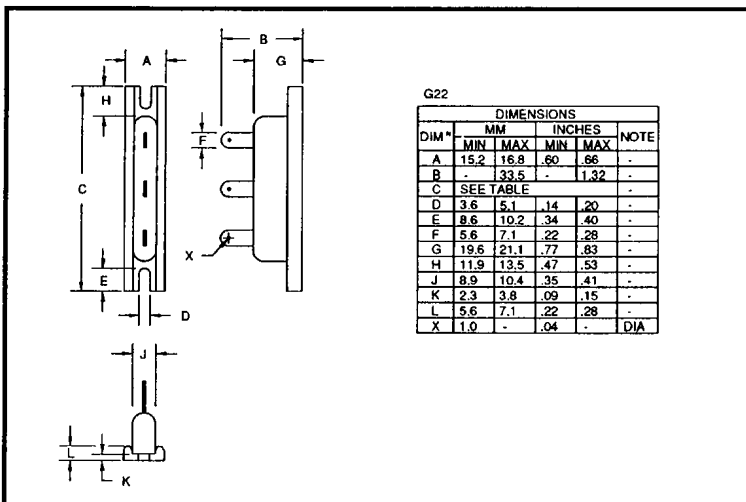
QUICK REFERENCE DATA

- $V_R = 7.5kV \text{ \& } 15kV$
- $I_F = 800mA$
- $t_{rr} = 2.0\mu S$
- $I_R = 1.0\mu A$

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. $T_{OP} \text{ \& } T_{STG}$	Case Length
		air 25°C	oil 55°C			
		Volts	Amps			Amps
SDHD7.5K	7500	0.4	0.4	16	-55 to + 150	4.72
SDHD15K	15000	0.4	0.4	16		6.09
SDHN7.5K	7500	0.8	0.8	8	-55 to + 150	4.72
SDHN15K	15000	0.8	0.8	8		6.09
SDHP7.5K	7500	0.8	0.8	8	-55 to + 150	4.72
SDHP15K	15000	0.8	0.8	8		6.09

MECHANICAL



**CHARACTERISTICS** (ratings apply per leg)

Device Type	Reverse Current @ V_{RWM}		Maximum Forward Voltage V_F @ 0.2A @ 25°C	Maximum Reverse Recovery Time ¹ @ 25°C
	@ 25°C	@ 100°C		
	µA	µA	Volts	µS
SDHD7.5K	1.0	20	10.0	↑ 2.0 ↓
SDHD15K	1.0	20	20.0	
SDHN7.5K	1.0	20	10.0	
SDHN15K	1.0	20	20.0	
SDHP7.5K	1.0	20	10.0	
SDHP15K	1.0	20	20.0	

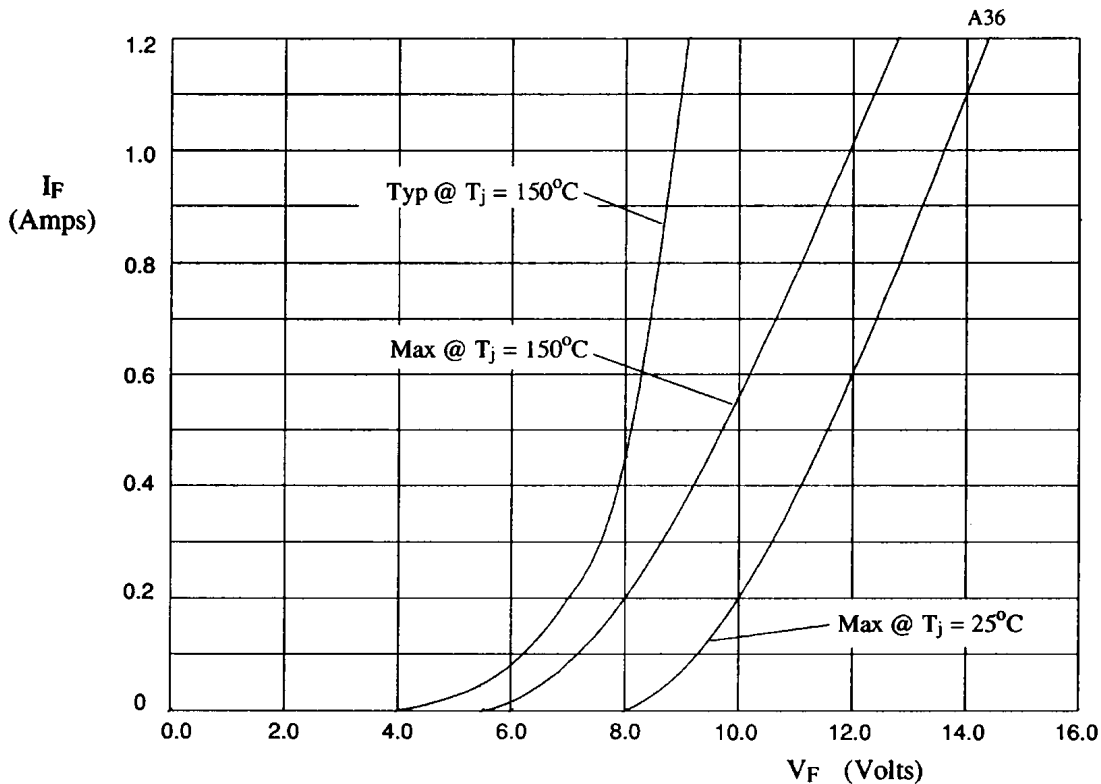
¹ Measured on discrete devices prior to assembly

Figure 1. Maximum and typical forward voltage drop per leg as a function of forward current ($T_j = 25^\circ\text{C}$ & 150°C) for SDH*7.5K.

For SDH*15K multiply X-axis by 2.