



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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STANDARD RECOVERY, HIGH CURRENT CENTERTAP AND DOUBLER RECTIFIER ASSEMBLIES

- Low forward voltage drop
- Low reverse leakage current
- Aluminum case
- Low thermal impedance
- High forward current rating

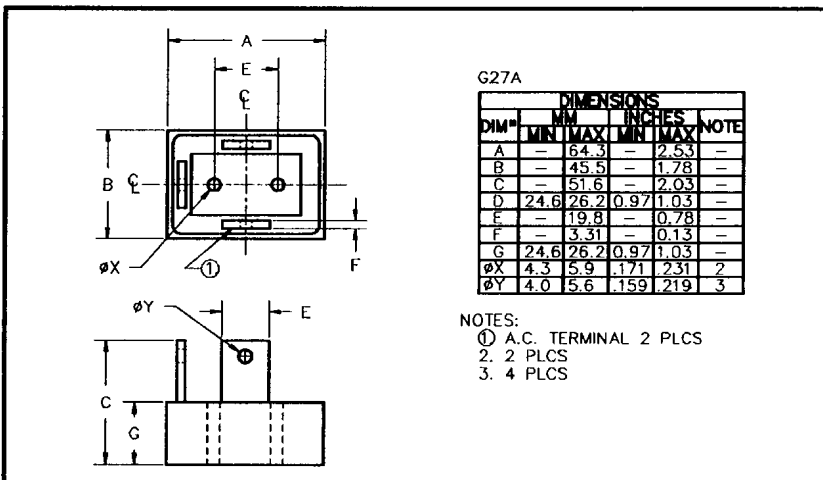
QUICK REFERENCE DATA

- $V_R = 50V - 600V$
- $I_F = 85A$
- $I_R = 6.0\mu A$
- $V_F = 1.0V$

ABSOLUTE MAXIMUM RATINGS

Device Type	Working Reverse Voltage V_{RWM}	Average Rectified Current (@ case temperature)			1 Cycle Surge Current $t_p = 8.3mS$		Repetitive Surge Current
		@ 25°C	@ 55°C	@ 100°C	@ 25°C	@ 100°C	@ 25°C
		Volts	Amps	Amps	Amps	Amps	Amps
SCDAS05	50	↑	↑	↑	↑	↑	↑
SCDAS1	100						
SCDAS2	200	42.5	35	22.5	900	600	120
SCDAS4	400						
SCDAS6	600	↓	↓	↓	↓	↓	↓
SCNAS05 SCPAS05	50	↑	↑	↑	↑	↑	↑
SCNAS1 SCPAS1	100						
SCNAS2 SCPAS2	200	85.0	70	45.0	900	600	120
SCNAS4 SCPAS4	400						
SCNAS6 SCPAS6	600	↓	↓	↓	↓	↓	↓

MECHANICAL



Maximum thermal impedance
 $R_{\theta JC} = 0.80^{\circ}C/W$

Approximate mass = 245g

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ELECTRICAL CHARACTERISTICS (ratings apply per leg)

Device Type	Reverse Current @ V_{RWM}		Maximum Forward Voltage $V_F @ 18.0A$ @ 25°C	Maximum Reverse Recovery Time
	@ 25 °C	@ 100 °C		
	μA	μA	Volts	μS
SCDAS05 SCDAS1 SCDAS2 SCDAS4 SCDAS6	6.0	120	1.0	2.0
SCNAS05 SCPAS05 SCNAS1 SCPAS1 SCNAS2 SCPAS2 SCNAS4 SCPAS4 SCNAS6 SCPAS6	6.0	120	1.0	

¹ Measured on discrete devices prior to assembly

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

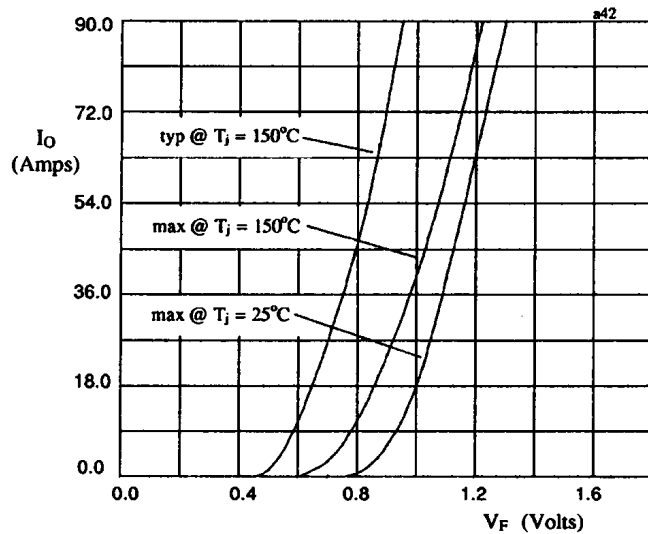


Fig 1. Forward voltage drop against output current (per leg)

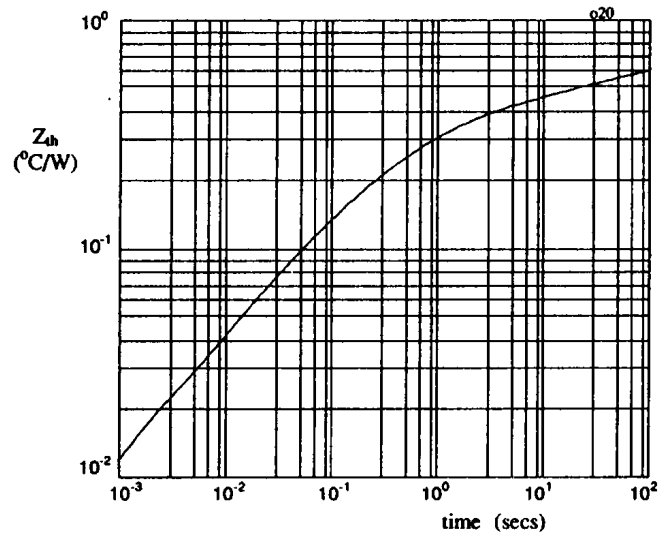


Fig 2. Transient thermal impedance characteristic per leg