



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, MEDIUM CURRENT CENTER TAP AND DOUBLER RECTIFIER ASSEMBLIES

### QUICK REFERENCE DATA

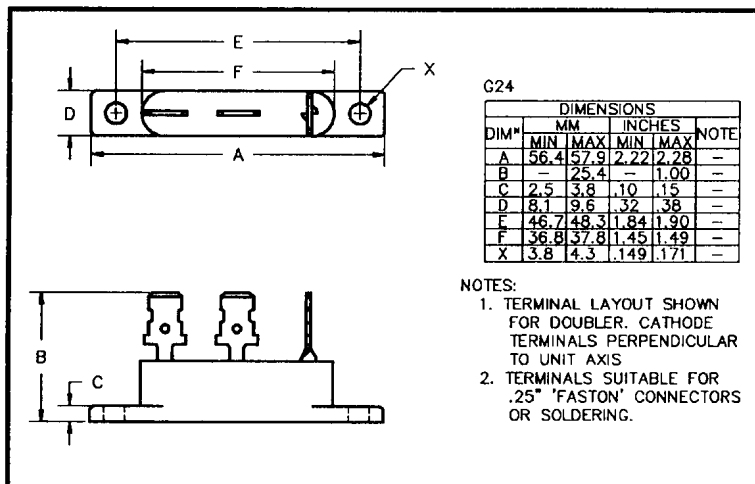
- Low forward voltage drop
- Low reverse leakage current
- Aluminum case
- Low thermal impedance
- Universal 3-way terminals

- $V_R = 50V - 600V$
- $I_F = 15A$
- $I_R = 1.0 \mu A$
- $V_F = 1.0V$

### ABSOLUTE MAXIMUM RATINGS

Device Type	Working Reverse Voltage $V_{RWM}$	Average Rectified Current						1 Cycle Surge Current $t_p = 8.3mS$		Repetitive Surge Current
		(@ case temperature)			(@ ambient temperature)			25°C	100°C	25°C
		55°C	100°C	125°C	25°C	55°C	100°C	25°C	100°C	25°C
	Volts	Amps	Amps	Amps	Amps	Amps	Amps	Amps	Amps	
SCDA05	50	↑	↑	↑	↑	↑	↑	↑	↑	↑
SCDA1	100	↑	↑	↑	↑	↑	↑	↑	↑	↑
SCDA2	200	7.5	5.0	2.5	2.5	2.0	1.25	150	100	25
SCDA4	400	↓	↓	↓	↓	↓	↓	↓	↓	↓
SCDA6	600	↓	↓	↓	↓	↓	↓	↓	↓	↓
SCNA05 SCPA05	50	↑	↑	↑	↑	↑	↑	↑	↑	↑
SCNA1 SCPA1	100	↑	↑	↑	↑	↑	↑	↑	↑	↑
SCNA2 SCPA2	200	15.0	10.0	5.0	5.0	4.0	2.5	150	100	25
SCNA4 SCPA4	400	↓	↓	↓	↓	↓	↓	↓	↓	↓
SCNA6 SCPA6	600	↓	↓	↓	↓	↓	↓	↓	↓	↓

### MECHANICAL



Maximum thermal impedance  
 $R_{\theta JC} = 4^{\circ}C/W$

January 9, 1998

### ELECTRICAL CHARACTERISTICS (ratings apply per leg)

Device Type	Reverse Current @ $V_{RWM}$		Maximum Forward Voltage $V_F @ 3.0A @ 25^\circ C$	Maximum Reverse Recovery Time <sup>1</sup>
	@ 25 °C	@ 100 °C		
	$\mu A$	$\mu A$	Volts	$\mu S$
SCDA05 SCDA1 SCDA2 SCDA4 SCDA6	1.0	20	1.0	2.0
SCNA05 SCPA05 SCNA1 SCPA1 SCNA2 SCPA2 SCNA4 SCPA4 SCNA6 SCPA6	1.0	20	1.0	

<sup>1</sup> Measured on discrete devices prior to assembly

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

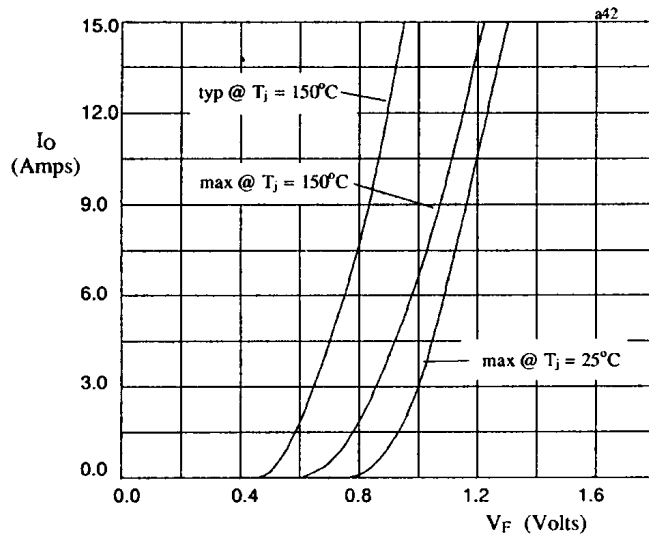


Fig 1. Forward voltage drop against current (per leg)

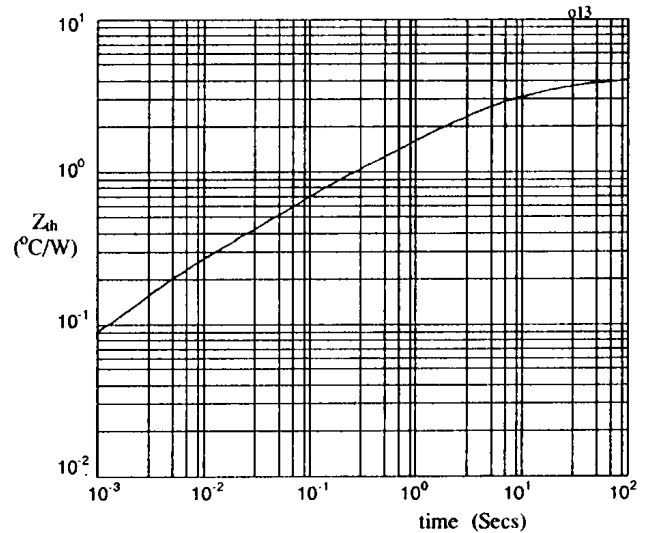


Fig 2. Transient thermal impedance characteristic per leg