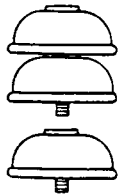


X00028

<p>SDF2.5 THROUGH SDC15</p> <p>HIGH VOLTAGE</p> <p>STACKABLE</p> <p>FAST RECOVERY</p> <p>RECTIFIER ASSEMBLY</p>	<p>SSDI</p>
	<p>14849 FIRESTONE BLVD. LA MIRADA, CA. 90638 (213) 921-9660 TWX 910-583-4807 FAX 213-921-2396</p>

CASE STYLE



FEATURES

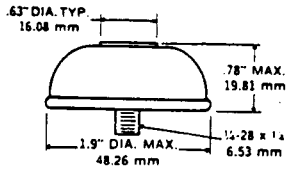
- ▶ PIV TO 15KV
- ▶ STACKABLE TO 600KV
- ▶ HIGH CURRENT RATINGS
- ▶ CONTROLLED AVALANCHE
- ▶ VOID FREE HERMETICALLY SEALED DIODE CELLS
- ▶ MODULAR DESIGN FOR EASY STACKING
- ▶ STORAGE AND OPERATING TEMPERATURE -65 °C TO +150 °C

SSDI introduces a new and complete line of high voltage transfer molded stackable diode modules. These modules utilize double plug metallurgically bonded void free hermetically sealed diode cells. Higher voltage and/or current modules can be supplied. Ultra fast recovery modules to 50 nano seconds are available. Contact your factory representative for engineering assistance.

TYPE	PIV	AVERAGE DC OUTPUT AMPS TC			PEAK 1 CYCLE FORWARD SURGE	MAXIMUM FORWARD VOLTAGE DROP	MAXIMUM LEAKAGE CURRENT @ PIV		REPLACES UNITRODE PART NUMBER
		AIR	OIL	*			25 °C	100 °C	
		75 °C	50 °C	60 °C					
		AMPS	AMPS	AMPS			AMPS	VOLTS	
SDF2.5	2.5	4.50	5.30	5.00	150	6V @ 2.2A	10	100	UDF2.5
SDD2.5	2.5	2.25	3.30	2.80	80	6V @ 1.2A	5	50	UDD2.5
SDF5	5	3.30	4.40	4.00	150	11V @ 1.6A	10	100	UDF-5
SDD5	5	1.50	2.00	1.85	80	11V @ .75A	5	50	UDD-5
SDD7.5	7.5	1.00	1.50	1.25	80	17V @ .50A	5	50	UDD7.5
SDC7.5	7.5	0.90	1.25	1.10	25	15V @ .50A	2	20	UDC7.5
SDC10	10	0.75	1.00	0.90	25	20V @ .37A	2	20	UDC-10
SDC15	15	0.50	0.70	0.60	25	30V @ .25A	2	20	UDC-15

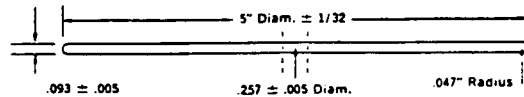
* WITH EXTENDER PLATE - SEE REVERSE SIDE FOR DIMENSIONS

MECHANICAL SPECIFICATIONS



Typical Weight — 2.1 ounces
60 grams

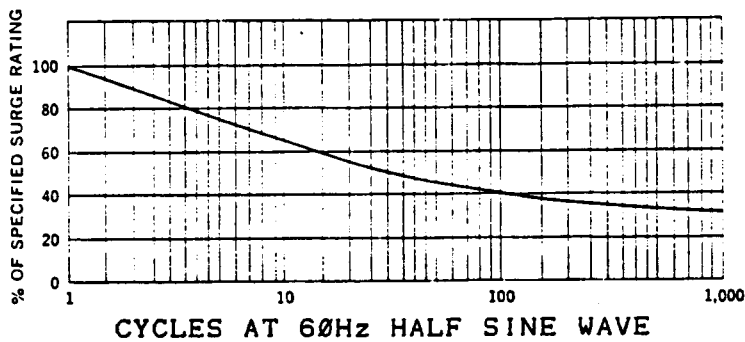
EXTENDER PLATE



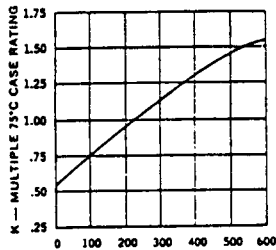
Typical Weight — 2.75 ounces
78 grams

TYPICAL DERATING

MULTIPLE SURGE RATING VS. DURATION

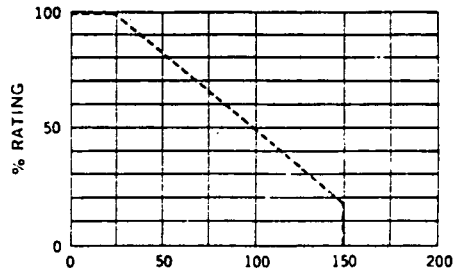


OUTPUT CURRENT RATIO VS. VELOCITY OF AIR FLOW



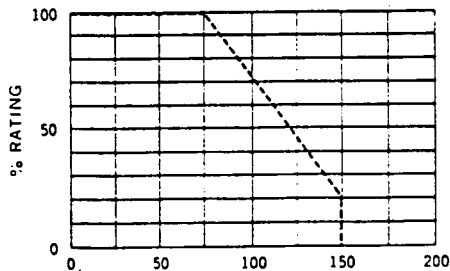
V-VELOCITY OF AIR (LFM)

CURRENT DERATING CURVE



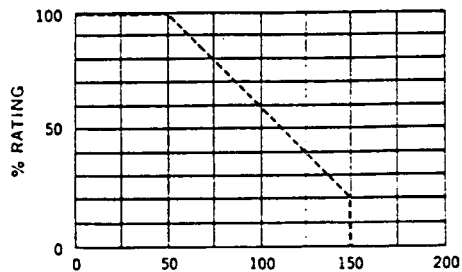
AMBIENT TEMPERATURE °C

CURRENT DERATING CURVE



CASE TEMPERATURE °C
AIR COOLED

CURRENT DERATING CURVE



CASE TEMPERATURE °C
OIL IMMERSSED

SSDI

SOLID STATE DEVICES, INC.

14849 FIRESTONE BOULEVARD, LA MIRADA, CA. 90638
TELEPHONE (213) 921-9660 ♦ FAX (213) 921-2396