

250VAC			
CAP (MFD)	T ± 0.039" (± 1.0mm)	H ± 0.039" (± 1.0mm)	L ± 0.039" (± 1.0mm)
0.010	0.236" (6.0mm)	0.472" (12.0mm)	0.709" (18.0mm)
0.033	0.295" (7.5mm)	0.531" (13.5mm)	0.709" (18.0mm)
0.10	0.354" (9.0mm)	0.630" (16.0mm)	0.827" (21.0mm)
0.20	0.394" (10.0mm)	0.748" (19.0mm)	1.043" (26.5mm)

APPLICATIONS: SPECIFICALLY DESIGNED FOR APPLICATIONS IN HIGH FREQUENCY SWITCHING POWER SUPPLIES, THE SKWB FAMILY PROVIDES CRITICAL DAMPING AND REVERSE VOLTAGE PROTECTION FOR THE SCHOTTKY DIODE. THE LEAKAGE INDUCTANCE OF THE HIGH FREQUENCY POWER TRANSFORMER CAUSES RINGING OF THE REVERSE VOLTAGE WHEN DIODE CONDUCTION ABRUPTLY CEASES. THIS CAN CAUSE SCHOTTKY DIODE FAILURE. FIGURE 1 SHOWS A SNUBBER USED ACROSS EACH DIODE. FIGURE 2 ILLUSTRATES THE VOLTAGE WAVE FORMS BEFORE AND AFTER THE SKWB SNUBBERS WERE ADDED. PLEASE CONTACT THE FACTORY FOR AVAILABILITY OF OTHER VALUES, VOLTAGES, WATTAGES, AND/OR DIELECTRIC MATERIALS.

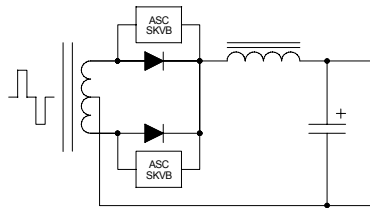


FIGURE 1: SNUBBER CIRCUIT

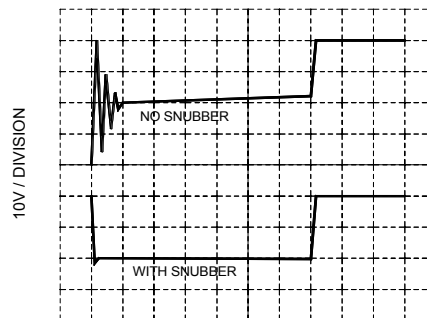


FIGURE 2: WAVEFORM WITH AND WITHOUT SNUBBER

GENERAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

CONSTRUCTION: NON-INDUCTIVE WOUND PLASTIC FILM RC NETWORK.

CASE: FLAME RETARDANT PREFORMED CASE WITH EPOXY FILL.

LEAD MATERIAL: 20 AWG INSULATED STRANDED WIRE.

DIMENSIONS: AS SPECIFIED IN TABLES.

ELECTRICAL CHARACTERISTICS

CAPACITANCE: AS SPECIFIED IN TABLE $\pm 20\%$ WHEN MEASURED AT OR REFERRED TO 1000 ± 20 HZ AND 25 ± 5 °C.

RESISTOR: 47Ω AND $120\Omega \pm 20\%$ AVAILABLE.

RATED VOLTAGE: 250VAC.

TEMPERATURE: -40 °C TO $+100$ °C AT FULL RATED VOLTAGE.

ADDITIONAL INFORMATION

ORDERING INFORMATION: ALL ASC CAPACITORS ARE ORDERED BY "FAMILY-CAP-TOL-VOLT" DESIGNATION. SINCE DIFFERENT VALUES OF RESISTORS ARE AVAILABLE PLEASE SPECIFY RESISTANCE VALUE IN PARENTHESIS AFTER THE FAMILY. (I.E. TO ORDER AN SKWB $0.1\mu\text{F}$, 47 OHM, 20%, 250VAC NETWORK, REQUEST PART NUMBER "SKWB(47) .1-20-250")

AGENCY APPROVALS:

RECOGNIZED BY THE FOLLOWING AGENCIES:

UL FILE NUMBER E59874

CSA FILE NUMBER LR62199-0

VDE FILE NUMBER 11181-4670-0007

WARNING: INFORMATION ON THIS FILE IS SUBJECT TO CHANGE WITHOUT NOTICE AT ASC'S DISCRETION.

LAST MODIFIED: 12/29/03