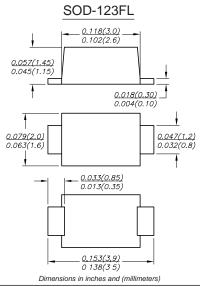
DSS215 THRU DSS220

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

Reverse Voltage - 150 to 200 Volts Forward Current - 2.0 Ampere



FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- High forward surge current capability
- → High temperature soldering guaranteed: 250°C/10 seconds,0.375"(9.5mm) lead length, 5 lbs. (2.3kg) tension

MECHANICAL DATA

Case:SOD-123FL molded plastic body

Terminals: Plated axial leads, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.0007 ounce, 0.02 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

	SYMBOLS	DSS215 D215	DSS220 D220	UNITS
Maximum repetitive peak reverse voltage	Vrrm	150	200	V
Maximum RMS voltage	VRMS	105	140	V
Maximum DC blocking voltage	Vpc	150	200	V
Maximum average forward rectified current	l(AV)	2.0		А
Peak forward surge current				
8.3ms single half sine-wave superimposed on	IFSM	40.0		A
rated load				
Maximum instantaneous forward voltage at 2.0A	VF	0.85	0.95	V
Maximum DC reverse current Ta=25°C		0.1 2.0		mA
at rated DC blocking voltage Ta=100℃	l _R			
Typical junction capacitance (NOTE 1)	CJ	80		pF
Typical thermal resistance (NOTE 2)	RθJA	95		°C/W
Operating junction temperature range	TJ	-55 to +150		°C
Storage temperature range	Тѕтс	-55 to +150		°C
				

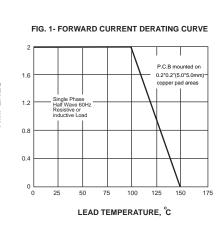
Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2.PCB mounted on 0.2*0.2" (5.0*5.0mm) coppeer pad area.

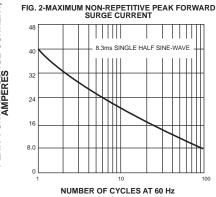


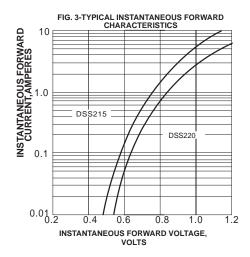
RATINGS AND CHARACTERISTIC CURVES DSS215 THRU DSS220

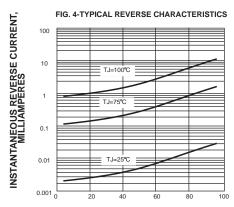


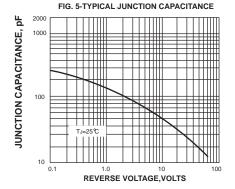












PERCENT OF PEAK REVERSE VOLTAGE,%