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RU3YX

PRV : 100 Volts
Io : 2.0 Amperes

FEATURES :

- * High current capability
- * High surge current capability
- * High reliability
- * Low reverse current
- * Low forward voltage drop
- * Fast switching for high efficiency

MECHANICAL DATA :

- * Case : DO-201AD Molded plastic
- * Epoxy : UL94V-O rate flame retardant
- * Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- * Polarity : Color band denotes cathode end
- * Mounting position : Any
- * Weight : 1.21 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

RATING	SYMBOL
Maximum Peak Reverse Voltage	VRM
Maximum Peak Reverse Surge Voltage	VRSM
Maximum Average Forward Current	IF(AV)
Maximum Peak Forward Surge Current (50 Hz, Half-cycle, Sinewave, Single Shot)	IFSM
Maximum Forward Voltage at IF = 2.0 Amps.	VF
Maximum Reverse Current at VR = VRM Ta = 25 °C	IR
Maximum Reverse Current at VR = VRM Ta = 100 °C	IR(H)
Maximum Reverse Recovery Time (Note 1)	Trr
Junction Temperature Range	TJ
Storage Temperature Range	TSTG

Notes :

(1) Reverse Recovery Test Conditions : IF = 10 mA, IRP = 10 mA.

RATING AND CHARACTERISTIC CURVES (RU3YX)

FIG.1 - REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM

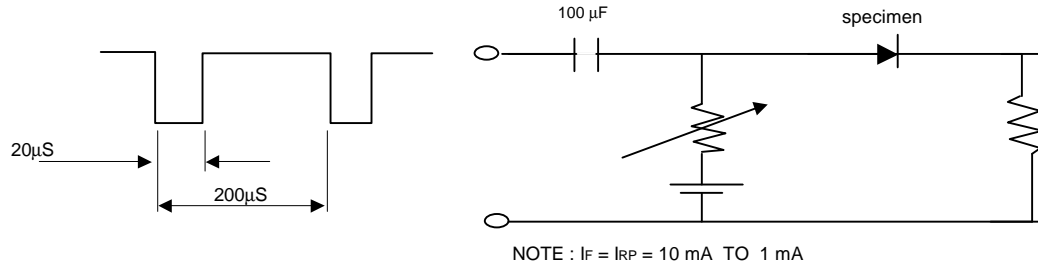


FIG.2 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

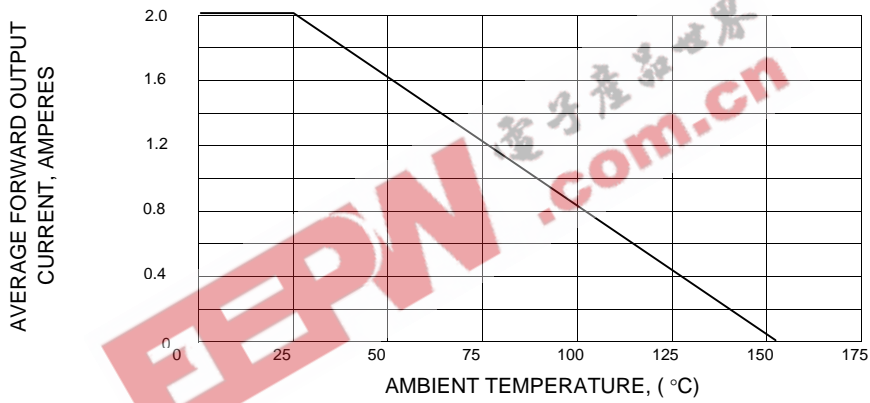


FIG.4 - TYPICAL FORWARD CHARACTERISTICS

