



ELECTRONICS INDUSTRY (USA) CO., LTD.

103 MOO 4, LATKRABANG EXPORT PROCESSING ZONE, LATKRABANG, BANGKOK 10520, THAILAND
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RU3YX

PRV : 100 Volts
Io : 2.0 Amperes

FEATURES :

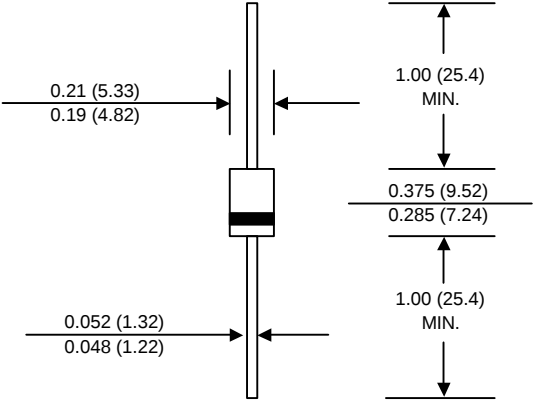
- * High current capability
- * High surge current capability
- * High reliability
- * Low reverse current
- * Low forward voltage drop
- * Fast switching for high efficiency

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

FAST RECOVERY
RECTIFIER DIODES

DO-201AD



Dimensions in inches and (millimeters)

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	VALUE	UNIT
Maximum Peak Reverse Voltage	VRM	100	Volts
Maximum Peak Reverse Surge Voltage	VRSM	100	Volts
Maximum Average Forward Current	IF(AV)	2.0	Amps.
Maximum Peak Forward Surge Current (50 Hz, Half-cycle, Sinewave, Single Shot)	IFSM	50	Amps.
Maximum Forward Voltage at IF = 2.0 Amps.	VF	0.95	Volt
Maximum Reverse Current at VR = VRM Ta = 25 °C	IR	10	µA
Maximum Reverse Current at VR = VRM Ta = 100 °C	IR(H)	300	µA
Maximum Reverse Recovery Time (Note 1)	Trr	200	ns
Junction Temperature Range	TJ	- 40 to + 140	°C
Storage Temperature Range	TSTG	- 40 to + 140	°C

Notes :

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

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Certificate Number: Q10561



Certificate Number: E17276

RATING AND CHARACTERISTIC CURVES (RU3YX)

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

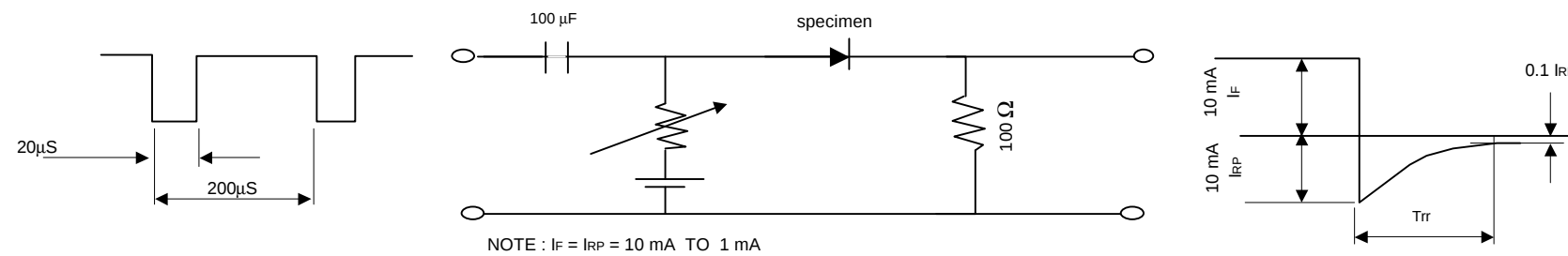


FIG.2 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

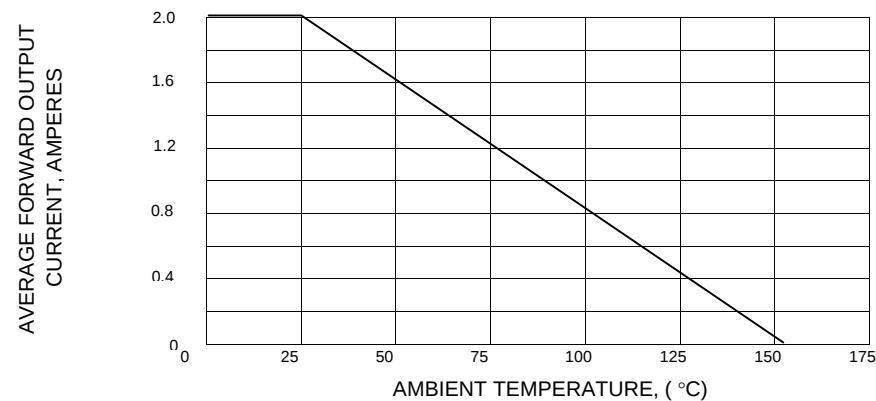


FIG.3 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

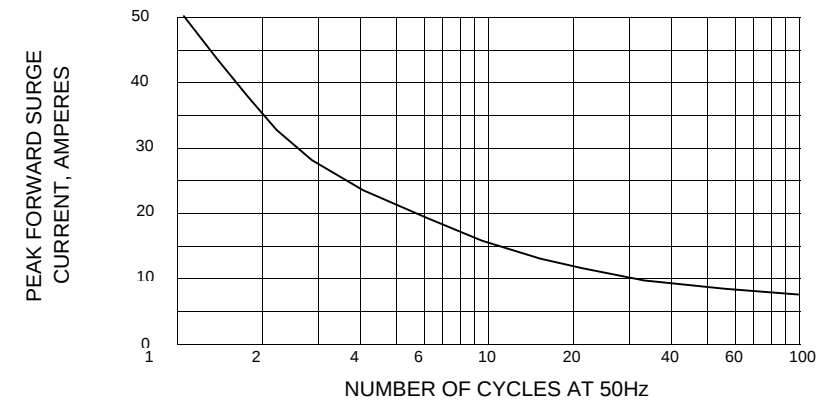


FIG.4 - TYPICAL FORWARD CHARACTERISTICS

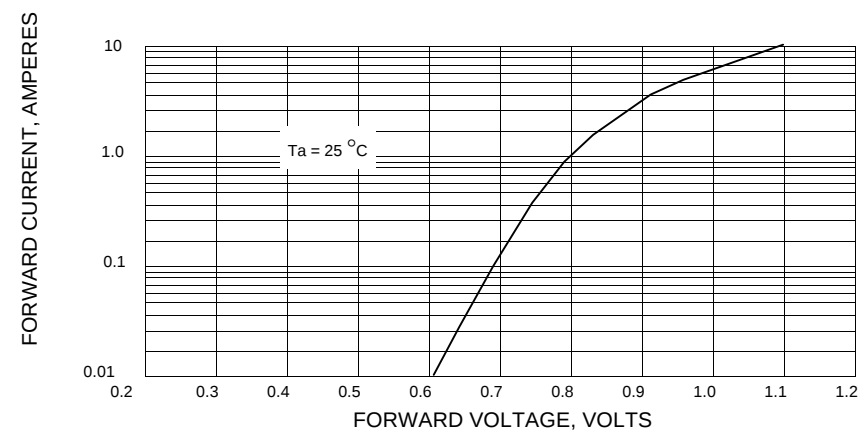


FIG.5 - TYPICAL REVERSE CHARACTERISTICS

