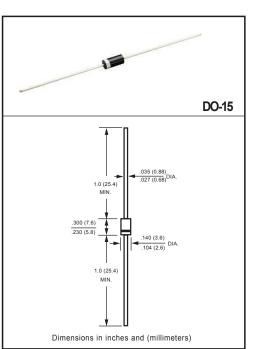




SURFACE MOUNT GLASS PASSIVATED SILICON RECTIFIER VOLTAGE 1500 Volts CURRENT 1.5 Ampere

FEATURES

- * Glass passivated device
- * Ideal for surface mounted applications
- * Low leakage current
- * Metallurgically bonded construction
- * Mounting position: Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25 °C ambient temperature unless otherwise specified. resistive or inductive load.

MAXIMUM RATINGS (@ TA=25 °C unless otherwise noted)

RATINGS	SYMBOL	R1500G	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	1500	Volts
Maximum RMS Voltage	V _{RMS}	1050	Volts
Maximum DC Blocking Voltage	V _{DC}	1500	Volts
Maximum Average Forward Rectified Current at Terminals Temperature	I _O	1.5	Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	40	Amps
Current Squarad Time	l ² t	6.64	A ² Sec
Typical Thermal Resistance (Note 1)	R _{θJA}	45	°C/W
Typical Thermal Resistance (Note 1)	Rөյт	10	°C/W
Typical Junction Capacitance (Note 2)	CJ	15	pF
Operating Temperature Range	TJ	-55 to + 175	° C
Storage Temperature Range	T _{STG}	-55 to + 175	٥C

ELECTRICAL CHARACTERISTICS (@TA=25 °C unless otherwise noted)

CHARACTERISTICS			R1500G	UNITS
Maximum Instantaneous Forward Voltag	e at 1.5A DC	VF	1.2	Volts
Maximum Average Reverse Current	@T _A = 25°C	1-	2.0	μA
at Rated DC Blocking Voltage	@T _A = 150°C	- ^I R	1.0	mA
Maximum Reverse Recovery Time (No	te 3)	Trr	3.0	μS

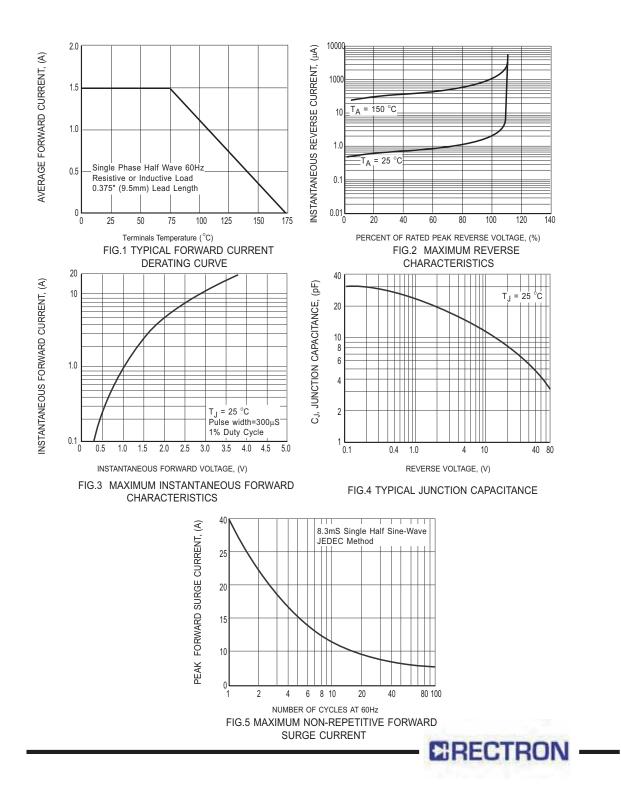
NOTES: 1. Thermal Resistance :Mounted on PCB.

2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

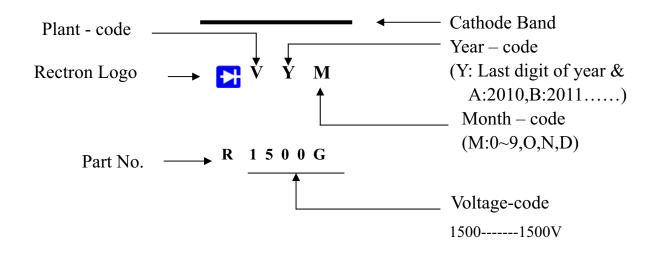
3. Test Conditions: IF= 0.5A, IR= -1.0A, IRR= -0.25A.

2021-06 REV:C





Marking Description



PACKAGING OF DIODE AND BRIDGE RECTIFIERS

BULK PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
DO-15	-B	500	194*84*21	415*220*255	25,000	12.74

REEL PACK

PACKAGE	PACKING CODE	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
DO-15	-T	4,000	4,000	5.0	52	330	355*350*335	16,000	10.05

AMMO PACK

PACKAGE	PACKING	REEL	COMPONENT	TAPE SPACE	BOX SIZE	CARTON	CARTON	GROSS
	CODE	(EA)	SPACE(mm)	(mm)	(mm)	SIZE(mm)	(EA)	WEIGHT (Kg)
DO-15	-F	1,500	5.0	52	255*73*100	400*268*225	15,000	8.8

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