

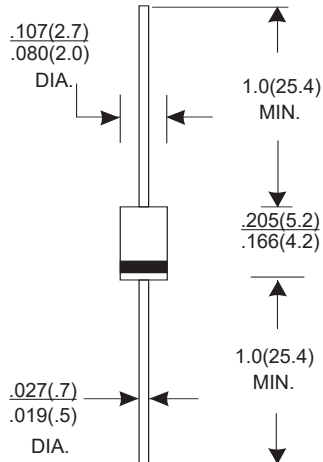
DO-41 FAST RECOVERY RECTIFIERS

FEATURES

- The plastic package carries Underwrites Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- High reliability
- High temperature soldering guaranteed:260 °C/10 seconds at terminals
- Component in accordance to RoHs 2015/863 and WEEE 2012/19/EU

MECHANICAL DATA

- Case style: DO-41 molded plastic
- Mounting position: Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Parameter		SYMBOLS	FR101	FR102	FR103	FR104	FR105	FR106	FR107	UNIT
Maximum Recurrent Peak Reverse Voltage		VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage		VRMS	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage		VDC	50	100	200	400	600	800	1000	Volts
Average Forward Current TJ=90℃		IF(AV)	1.0							Amps
Peak Forward Surge Current 8.3ms, half sine		IFSM	30							Amps
Maximum Instantaneous Forward Voltage IFM=1.0A TJ=25℃		VF	1.3							Volts
Maximum DCReverse Current at rated DC blocking voltage	TA=25℃	IR	5.0							μ A
	TA=100℃		100							
Maximum reverse recovery time at IF=0.5A IR=1.0A, IRR=0.25A		trr,	150				250	500		ns
Typical Junction Capacitance		CJ	15							PF
Typical thermal resistance		RθJA	50							℃/W
Operating junction and storage temperature range		TJ Tstg	-65to+150							℃

RATINGS AND CHARACTERISTIC CURVES

FIG.1 --TYPICAL FORWARD CHARACTERISTIC

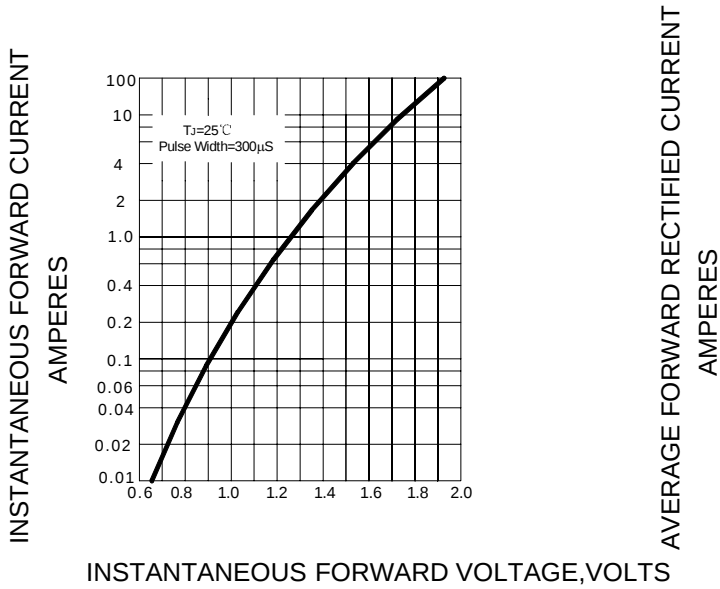


FIG.2 -- FORWARD DERATING CURVE

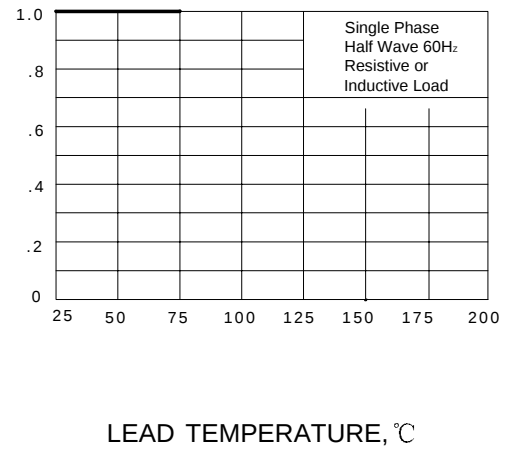


FIG.3--TYPICAL JUNCTION CAPACITANCE

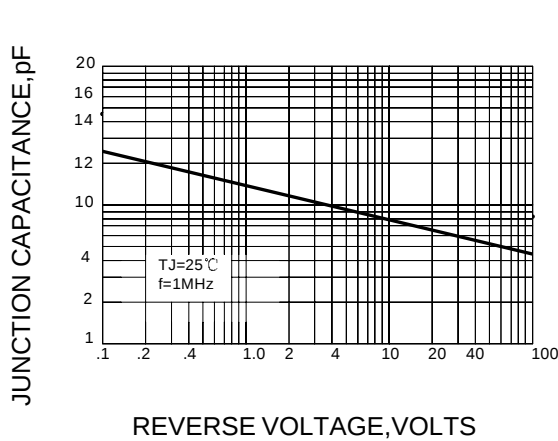


FIG.4--PEAK FORWARD SURGE CURRENT

