

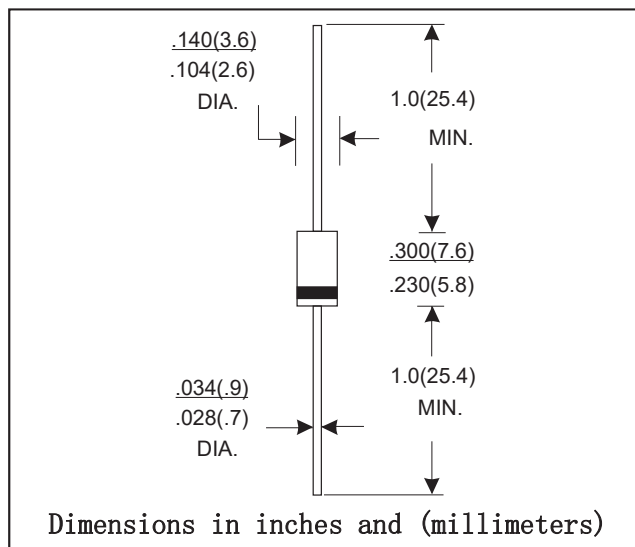
DO-15 FAST RECOVERY RECTIFIERS

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-15 molded plastic
- Mounting position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

TYPE NUMBER	Symbols	Units	FR151	FR152	FR153	FR154	FR155	FR156	FR157
Maximum repetitive peak reverse voltage	VRRM	V	50	100	200	400	600	800	1000
Maximum RMS voltage	VRMS	V	35	70	140	280	420	560	700
Maximum DC blocking voltage	VDC	V	50	100	200	400	600	800	1000
Maximum average forward rectified current 9.5mm lead length at TA=55°C	IF(AV)	A	1.5						
Peak Forward Surge Current,8.3ms single half-wave superimposed on rated load (JEDEC method)	IFSM	A	60						
Operating junction temperature range	TJ	°C	-65to+125						
Storage temperature range	Tstg	°C	-65to+150						
Maximum instantaneous forward voltage at 1.5A	VF	V	1.3Max.						
Maximum DC reverse current at rated DC blocking voltage	Ta=25°C R1I	μA	5.0Max.						
	Ta=100°C R2I	μA	100.0Max						
Maximum reverse recovery time (test conditions:IF=0.5A,IR=1.0A,IRR=0.25A)	Trr	nS	150				250	500	

RATINGS AND CHARACTERISTIC CURVES

FIG.1 --TYPICAL FORWARD CHARACTERISTIC

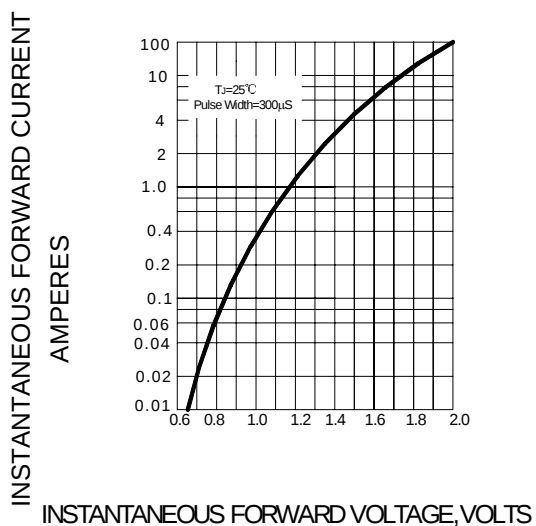


FIG.2 -- FORWARD DERATING CURVE

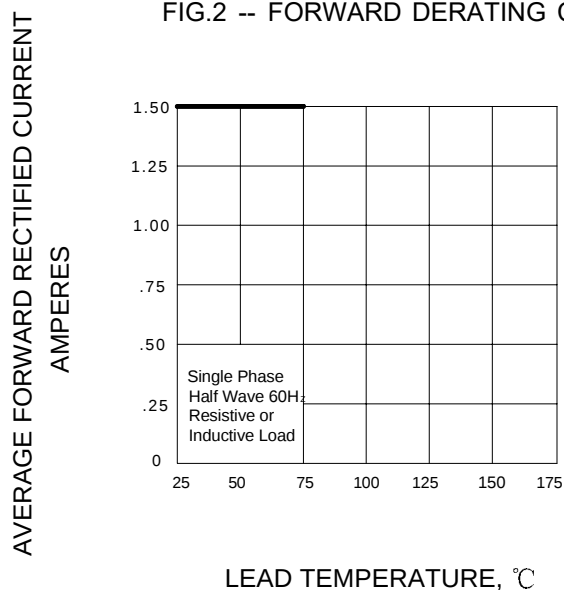


FIG.3--TYPICAL JUNCTION CAPACITANCE

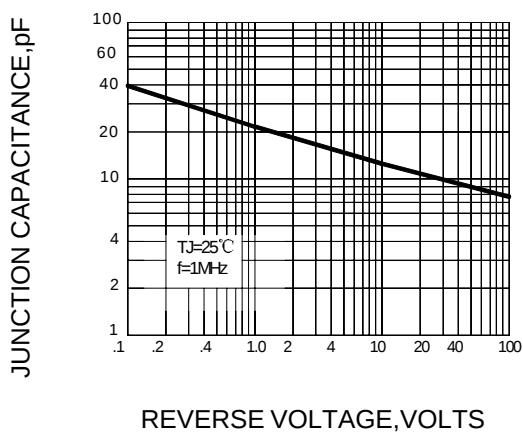


FIG.4--PEAK FORWARD SURGE CURRENT

