

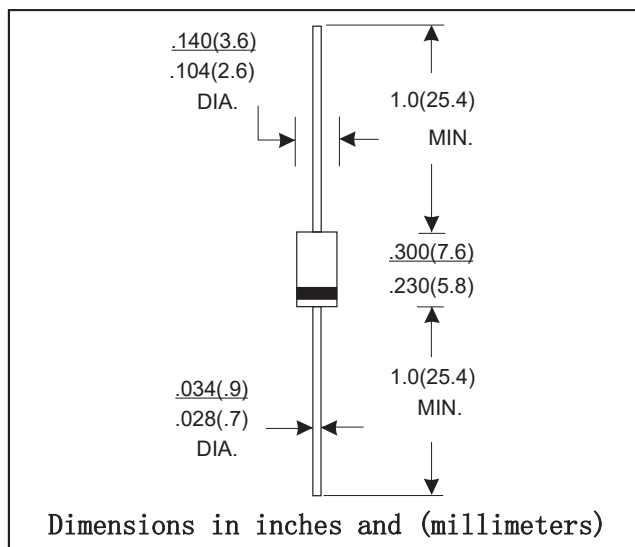
DO-15 FAST RECOVERY RECTIFIERS

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	FR201	FR202	FR203	FR204	FR205	FR206	FR207
Maximum repetitive peak reverse voltage	V_{RRM}	V	50	100	200	400	600	800	1000
Maximum RMS voltage	V_{RMS}	V	35	70	140	280	420	560	700
Maximum DC blocking voltage	V_{DC}	V	50	100	200	400	600	800	1000
Maximum average forward rectified current 9.5mm lead length at $T_A=55^{\circ}C$	$I_{F(AV)}$	A	2.0						
Peak Forward Surge Current,8.3ms single half-wave superimposed on rated load (JEDEC method)	I_{FSM}	A	70						
Operating junction temperature range	T_J	$^{\circ}C$	-55to+125						
Storage temperature range	T_{stg}	$^{\circ}C$	-55to+150						
Maximum instantaneous forward voltage at 2.0A	V_F	V	1.3						
Maximum DC reverse current at rated DC blocking voltage $T_A=25^{\circ}C$ $T_A=100^{\circ}C$	I_{R1}	μA	5.0						
	I_{R2}	μA	100.0						
Maximum reverse recovery time (test conditions: $I_F=0.5A$, $I_R=1.0A$, $IRR=0.25A$)	T_{rr}	nS	150				250	500	

RATINGS AND CHARACTERISTIC CURVES

FIG.1 -- FORWARD DERATING CURVE

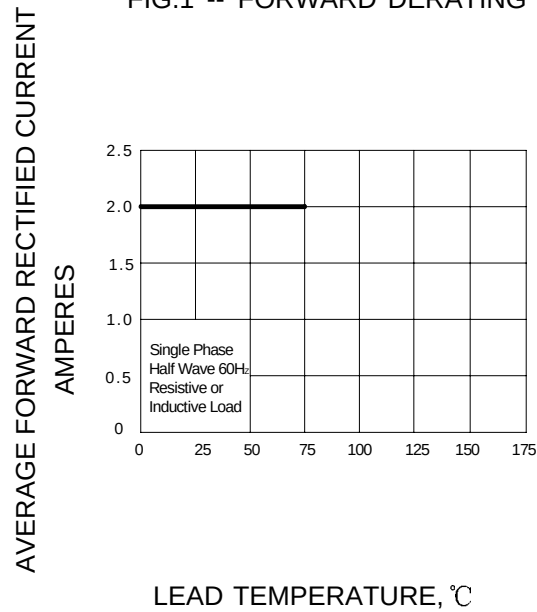


FIG.2--PEAK FORWARD SURGE CURRENT

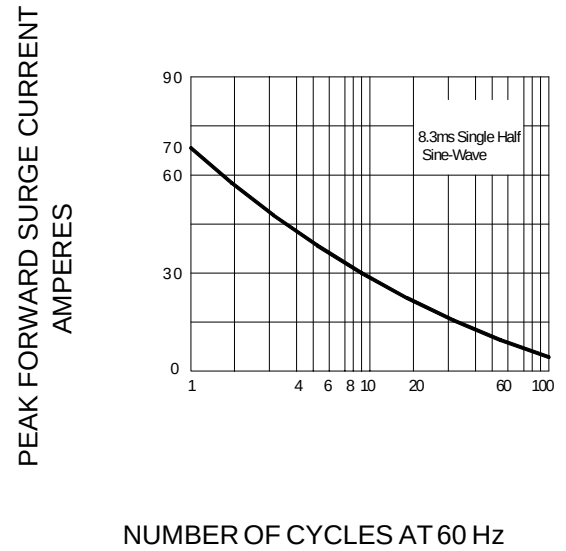


FIG.3--TYPICAL JUNCTION CAPACITANCE

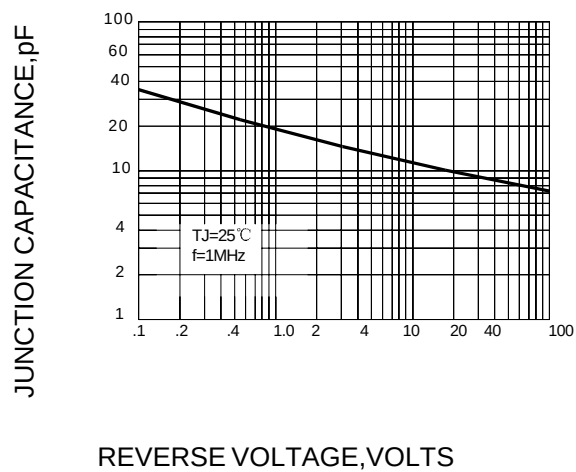


FIG.4 --TYPICAL FORWARD CHARACTERISTIC

