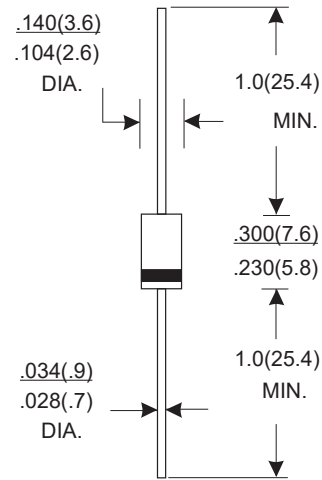


DO-15 PLASTIC SILICON RECTIFIERS
FEATURES

- Low Cost
- Low Leakage
- Low Forward Voltage Drop
- High Current Capability
- Fast Switching Speed For High Efficiency

MECHANICAL DATA

- Case:JEDEC DO-15 molded plastic body
- Polarity:Color band denotes cathode end
- Mounting Position:Any
- Weight:0.014ounce,0.33 gram



Dimensions in inches and (millimeters)

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 $T_A=55^\circ\text{C}$	$I_{F(AV)}$	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	$^\circ\text{C}$	-55to+125						
Storage temperature range	T_{stg}	$^\circ\text{C}$	-55to+150						
Maximum instantaneous forward voltage at 2.0A	V_F	V	1.3						
Maximum DC reverse current at rated DC blocking voltage $T_a=25^\circ\text{C}$ $T_a=100^\circ\text{C}$	I_{R1}	μA	5.0						
	I_{R2}	μA	100.0						
Maximum reverse recovery time (test conditions: $I_F=0.5\text{A}$, $I_R=1.0\text{A}$, $I_{RR}=0.25\text{A}$)	T_{rr}	nS	150			250		500	