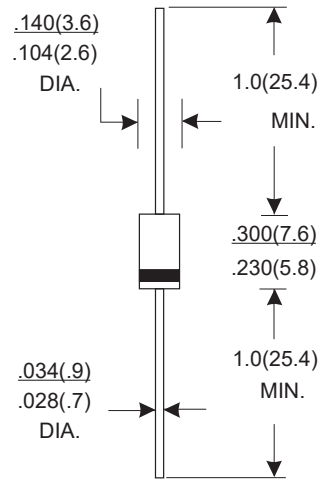


**DO-15 PLASTIC SILICON RECTIFIERS**
**FEATURES**

- 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	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	