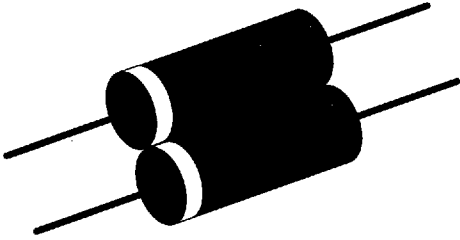


FV05M Series

HIGH VOLTAGE, MINIATURE PLASTIC RECTIFIER

Description

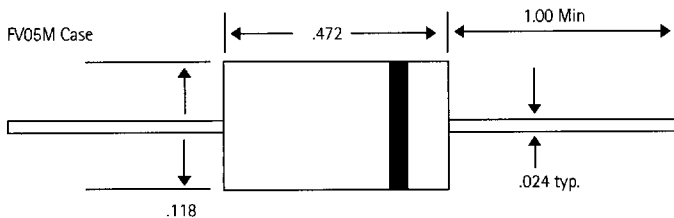


Features:

- For Colour TV Receiver Applications - Single, Doubler & Tripler Circuits
- Multistage Singular Flyback Transformer
- Excellent High Temperature Output Characteristics
- Diffused Junction

Mechanical Details

all dimensions in inches



FV05M Series

Maximum Ratings

Electrical characteristics @ 25°C

		FV05M Series								
		-10	-12	-14	-16	-18	-20	-22	-24	Units
V_{RRM}	Max recurrent peak reverse voltage	10	12	14	16	18	20	22	24	KV
I_O	Average forward current	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	mA
I_{FSM}	Non repetitive peak surge current	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	A
T_C	Case temperature	100	100	100	100	100	100	100	100	°C
T_{STG}	Storage temperature	← -40 to +125 →								°C

Electrical Characteristics

@ 25°C

V_{fm}	Max forward voltage drop	30	38	43	50	55	63	70	75	Volts
		@ 10mA, $T_a = 25^\circ\text{C}$								
I_{RRM}	Max reverse repetitive current	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	mA
		@ V_{rrm} , 25°C								
T_{RR}	Max reverse recovery time	14.4	18	20.4	24	28.4	30	33	36	mS
		@ $I_f = 2\text{mA}$ (.1 @ V_r)								
Typical Junction Capacitance		3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	Pf
		@ $V_{rrm} = 0\text{V}$, 25°C, $F = 1\text{MHz}$								