

KNOX SEMICONDUCTOR, INC.

PLASTIC THRU HOLE GENERAL PURPOSE ABRUPT VARACTOR DIODES TMV2101 - TMV2115

TYPE NUMBER	CAPACITANCE @ - 4 Vdc f = 1 MHz (pF)	MIN QUALITY FACTOR Q @ - 4 Vdc f = 50 MHz	CAPACITANCE RATIO f = 1 MHz C·2V / C·30V MIN
TMV2101	6.8	450	2.5
TMV2102	8.2	450	2.5
TMV2103	10.0	400	2.5
TMV2104	12.0	400	2.5
TMV2105	15.0	400	2.5
TMV2106	18.0	350	2.5
TMV2107	22.0	350	2.5
TMV2108	27.0	300	2.5
TMV2109	33.0	200	2.5
TMV2110	39.0	150	2.5
TMV2111	47.0	150	2.5
TMV2112	56.0	150	2.6
TMV2113	68.0	150	2.6
TMV2114	82.0	100	2.6
TMV2115	100.0	100	2.6

Package Style		TO-92 (182-02)
DC Power Dissipation	@ Ta = 25°C	250 mW
Reverse Breakdown Voltage	@ 10µA	30 V Min
Max Reverse Current (I _r)	@ Ta = 25° C	0.1 µA @ 25 Vdc
Operating Temperature (T _{opr})		-55 to + 125° C
Storage Temperature (T _{stg})		-55 to + 150° C
Capacitance Tolerance:		±10%

TO-92 lead spacing between anode and cathode of .1" available. Bulk package only.