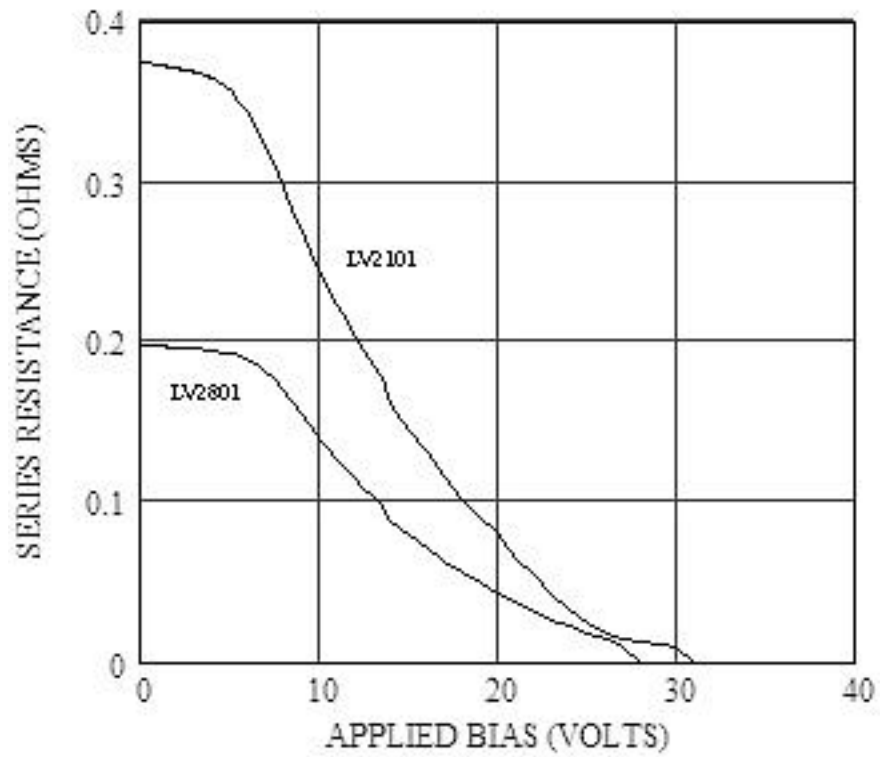
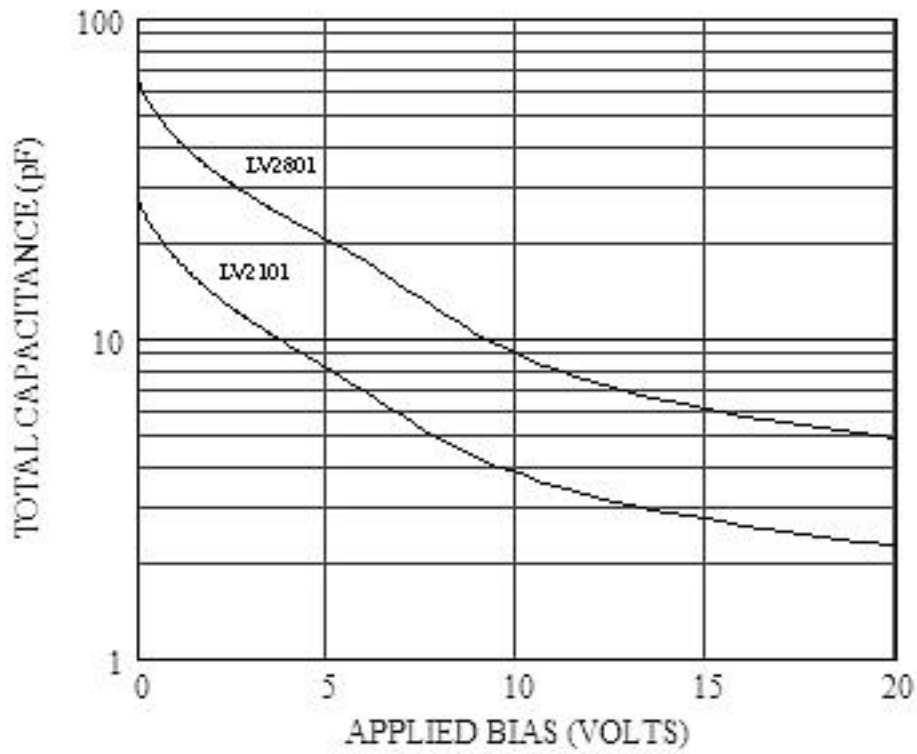


**CHARACTERIZATION CURVES**





## ABRUPT VARACTOR DIODES MV830 - MV840

PART NUMBER	C <sub>T</sub> DIODE CAPACITANCE V <sub>r</sub> = 4 Vdc, f = 1 MHz (pF)			Q, QUALITY FACTOR V <sub>r</sub> = 4 Vdc f = 50 MHz		TR, TUNING RATIO f = 1 MHz C•4V / C•25V	
	MIN	NOM	MAX	MIN	TYP	MIN	TYP
	MV830	13.5	15.0	16.5	30	35	1.8
MV831	16.2	18.0	19.8	25	30	1.8	2.00
MV832	19.8	22.0	24.2	25	30	1.8	2.10
MV833	24.3	27.0	29.7	25	30	1.8	2.10
MV834	29.7	33.0	36.3	20	25	1.9	2.12
MV835	35.1	39.0	42.9	20	25	1.9	2.12
MV836	42.3	47.0	51.7	15	20	1.9	2.15
MV837	50.4	56.0	61.6	15	20	1.9	2.15
MV838	61.2	68.0	74.8	15	20	2.0	2.18
MV839	73.8	82.0	90.2	10	15	2.0	2.18
MV840	90.0	100.0	110.0	10	15	2.0	2.18

Package Style		DO-7
DC Power Dissipation	@ Ta = 25° C	400 mW
Min Reverse Breakdown Voltage	@ Ir = 10 μA	30 Vdc
Max Reverse Current (Ir)	@ 25 Vdc	0.2 μA
Operating Temperature (Topr)		-65 to + 150° C
Storage Temperature (Tstg)		-65 to + 200° C
unction Temperature		+ 175° C