GENERAL PURPOSE ABRUPT VARACTOR DIODES
1N5441 TO 1N5476

PART NUMBER	CAPACITANCE @ 4 Vdc • 1 MHz (pF)	TUNING RATIO C•2 V / C•30V MIN	TUNING RATIO C•2 V / C•30V MAX	MIN QUALITY FACTOR Q @ - 4 Vdc f = 50 MHz
1N5441	6.8	2.5	3.1	450
1N5442	8.2	2.5	3.1	450
1N5443	10.0	2.6	3.1	400
1N5444	12.0	2.6	3.1	400
1N5445	15.0	2.6	3.1	400
1N5446	18.0	2.6	3.1	350
1N5447	20.0	2.6	3.1	350
1N5448	22.0	2.6	3.2	350
1N5449	27.0	2.6	3.2	350
1N5450	33.0	2.6	3.2	350
1N5451	39.0	2.6	3.2	300
1N5452	47.0	2.6	3.2	250
1N5453	56.0	2.6	3.3	200
1N5454	68.0	2.7	3.3	175
1N5455	82.0	2.7	3.3	175
1N5456	100.0	2.7	3.3	175
♦1N5461	6.8	2.7	3.1	600
♦1N5462	8.2	2.8	3.1	600
♦1N5463	10.0	2.8	3.1	550
♦1N5464	12.0	2.8	3.1	550
♦1N5465	15.0	2.8	3.1	550
♦1N5466	18.0	2.9	3.1	500
♦1N5467	20.0	2.9	3.1	500
♦1N5468	22.0	2.9	3.2	500
♦1N5469	27.0	2.9	3.2	500
♦1N5470	33.0	2.9	3.2	500
♦1N5471	39.0	2.9	3.2	450
♦1N5472	47.0	2.9	3.2	400
♦1N5473	56.0	2.9	3.3	300
♦1N5474	68.0	2.9	3.3	250
♦1N5475	82.0	2.9	3.3	225
♦1N5476	100.0	2.9	3.3	200

Package style		**DO-7**
DC Power Dissipation	**@ Ta = 25°C**	**400 mW**
Min Reverse Breakdown Voltage	**@ I_R = 10 µA**	**30 V**
Max Reverse Current (I_R)	**@ 25 Vdc**	**0.02 µA**
Max Reverse Current (I_{R2})	**@ 25 Vdc 150°C**	**20 µA**
Temp. Coefficient of Capacitance	**@ Vr=4 Vdc; Ta -65° to + 85°c**	**.04% /°C**
Operating Temperature (Topr)		**-65 to +175°C**
Storage Temperature (Tstg)		**-65 to +200°C**
Capacitance Tolerance	**Standard Device**	**±20%**
	Suffix A	**±10%**
	Suffix B	**±5%**
	Suffix C	**±2%**

♦ **DENOTES MILITARY APPROVAL FOR JAN - JANTX – JANTXV (B & C Tolerance only)**

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