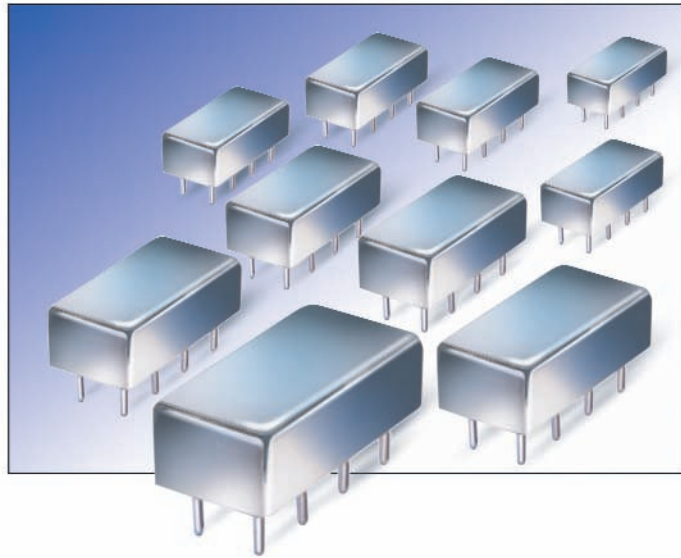


VOLTAGE CONTROLLED OSCILLATORS

Designer's Kit K-POS-1+

MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION!



25 to 1025MHz

POS+ Features

- Wideband, 50Ω
- Octave & near octave bandwidths
- Linear tuning
- Low phase noise
- Excellent harmonic suppression
- Plug-In package
- Tough metal case
- Hermetically sealed
- Low cost



All models are
RoHS compliant

\$124⁹⁵
only *ea. kit (10 models, 1 of each, 10 total)*

Kit K-POS-1+ Electrical specifications of each model

Model	Freq. (MHz)		Power Output (dBm)	Tuning Voltage (V)		Phase Noise dBc/Hz SSB at offset frequencies: Typ.				Pulling pk-pk @12 dBr (MHz)	Pushing (MHz/V)	Tuning Sensitivity (MHz/V)	Harmonics (dBc)		3dB Modulation Bandwidth (MHz)	DC Operating Power	
	Min.	Max.	Typ.	Min.	Max.	1kHz	10kHz	100kHz	1MHz	Typ.	Typ.	Typ.	Typ.	Max.	Typ.	V _{cc} (Volts)	Current (mA) Max.
POS-50+	25-50	+8.5	1	16	-88	-110	-130	-150	0.06	0.04	2.0-2.6	-19	-12	0.1	12	20	
POS-75+	37.5-75	+8.0	1	16	-87	-110	-130	-150	0.15	0.11	3.1-3.8	-27	-16	0.1	12	20	
POS-100+	50-100	+8.3	1	16	-83	-107	-130	-150	0.60	0.20	4.2-4.8	-23	-18	0.1	12	20	
POS-150+	75-150	+9.5	1	16	-80	-103	-127	-147	0.80	0.30	5.8-6.7	-23	-17	0.1	12	20	
POS-200+	100-200	+10.0	1	16	-80	-102	-122	-142	1.00	0.20	7.1-8.6	-24	-20	0.1	12	20	
POS-300+	150-280	+10.0	1	16	-78	-100	-120	-140	1.80	0.30	9.5-13	-30	-20	0.1	12	20	
POS-400+	200-380	+9.5	1	16	-76	-98	-120	-140	1.80	0.30	13.7-16.9	-28	-20	0.1	12	20	
POS-535+	300-525	+8.8	1	16	-70	-93	-116	-139	2.00	0.40	10.5-24.0	-26	-20	0.1	12	20	
POS-765+	485-765	+9.5	1	16	-61	-85	-108	-129	5.00	0.40	18.0-27.0	-21	-17	0.1	12	22	
POS-1025+	685-1025	+9.0	1	16	-65	-84	-104	-124	5.00	0.60	21.0-36.0	-23	-18	0.1	12	22	

Mini-Circuits®
ISO 9001 ISO 14001 CERTIFIED

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For quick access to product information see MINI-CIRCUITS CATALOG & WEB SITE

RF/IF MICROWAVE COMPONENTS

REV. OR
M105229
K-POS-1+