



## COMB GENERATORS w/ Integrated VCO & Crystal Oscillators

### ELECTRICAL SPECIFICATIONS

Model #	Input Frequency (MHz)	Output Harmonic	Output Freq. Range (GHz)	Output RF Power (dBm)	FM (KHz)
CG162	1.0-1.5	2nd	2.0-3.0	-25	200
(Variable Input Frequency)	1.0-1.5	3rd	3.0-4.5	-25	200
	1.0-1.5	4th	4.0-6.0	-25	200
	1.0-1.5	6th	6.0-9.0	-25	200
CG163	1.0-1.5	8th	8.0-12.0	-30	200
(Variable Input Frequency)	1.0-1.5	12th	12.0-18.0	-30	200
CG164	1.0	2nd thru 8th	2.0-8.0	-28	200
(Fixed Input Frequency)					
CG165	1.0	2nd thru 18th	2.0-18.0	-33	200
(Fixed Input Frequency)					
CG166	0.100	10th thru 18th	2.0-14.0	-35	200
(Fixed Input Frequency)					

### ADDITIONAL RF SPECIFICATIONS, ALL MODELS

Switch On/Off Isolation:	25 dBc min.
Switch Time:	15 microseconds
Spurious Outputs:	40 dBc min.
Frequency Stability Pushing Factor:	200 KHz/V max.
Frequency Stability Incidental FM:	200 KHz/V max.
LSB Resonance for VCO Units:	5.5 MHz max.
Weight:	2 ounces

### MECHANICAL SPECIFICATIONS, ALL MODELS

Output Connector:	3 mm female
DC Connector (Fixed Crystal Oscillator):	M28748/T-B00F1A
DC Connector (Variable VCO Oscillator):	M28748/7E00F1A
Dimensions (Fixed Crystal Oscillator):	0.54"Hx2.875"Lx4.0"W
Dimensions (Variable VCO Oscillator):	0.48"Hx3.25"Lx5.25"W
Weight:	18 ounces
Mounting (Fixed Crystal Units):	.125 diameter, 4 places
Mounting (Variable VCO Units):	.166 diameter, 4 places

### POWER SUPPLY REQUIREMENT, ALL UNITS

Supply Voltage:
Supply Current (at +15 V):
Supply Current (at -15 V):