

# VECTRON RF Oscillators



This product is RoHS compliant.

## VCC1 SERIES CMOS CRYSTAL OSCILLATORS 5 X 7 X 1.6MM

- Features:**
- CMOS output
  - Output frequencies to 190MHz
  - Low jitter, Fundamental or 3rd OT Crystal
  - Tri-state output for board test and debug
  - -10/70 or -40/85°C operating temperature
  - Gold over nickel contact pads
  - Hermetically sealed ceramic SMD package
  - Product is compliant to RoHS directive and fully compatible with lead free assembly

- Applications:**
- SONET/SDH/DWDM
  - Ethernet, Gigabit Ethernet
  - Storage Area Network
  - Digital Video
  - Broadband Access
  - Microprocessors/DSP/FPGA



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MOUSER STOCK NO.	Vectron Part No.	Voltage	Frequency (MHz)	Absolute Pull Range (ppm)	Price Each				Reel Quantity	Reel Price
					1	50	100	500		
711-VCC1-B3B-25M	VCC1-B3B-25M0000000	3.3	25.000	50	1.86	1.63	1.40	1.24	1000	1.12
711-VCC1-B3B-33M333	VCC1-B3B-33M3330000	3.3	33.333	50	1.86	1.63	1.40	1.24	1000	1.12
711-VCC1-B3B-50M	VCC1-B3B-50M0000000	3.3	50.000	50	1.86	1.63	1.40	1.24	1000	1.12
711-VCC1-B3B-66M667	VCC1-B3B-66M6670000	3.3	66.667	50	1.86	1.63	1.40	1.24	1000	1.12
711-VCC1-B3B-75M	VCC1-B3B-75M0000000	3.3	75.000	50	2.25	1.97	1.69	1.50	1000	1.35
711-VCC1-B3B-125M	VCC1-B3B-125M0000	3.3	125.000	50	3.45	3.02	2.59	2.30	1000	2.07
711-VCC1-B3B-100M	VCC1-B3B-100M000000	3.3	100.000	50	3.54	3.10	2.66	2.36	1000	2.12
711-VCC1-B3B-150M	VCC1-B3B-150M000000	3.3	150.000	50	5.40	4.73	4.05	3.60	1000	3.24
711-VCC1-B3D-25M	VCC1-B3D-25M0000000	3.3	25.000	50	2.34	2.05	1.76	1.56	1000	1.40
711-VCC1-B3D-33M333	VCC1-B3D-33M3330000	3.3	33.333	50	2.34	2.05	1.76	1.56	1000	1.40
711-VCC1-B3D-50M	VCC1-B3D-50M0000000	3.3	50.000	50	2.34	2.05	1.76	1.56	1000	1.40
711-VCC1-B3D-66M667	VCC1-B3D-66M6670000	3.3	66.667	50	2.34	2.05	1.76	1.56	1000	1.40
711-VCC1-B3D-75M	VCC1-B3D-75M0000000	3.3	75.000	50	2.85	2.49	2.14	1.90	1000	1.71
711-VCC1-B3D-100M	VCC1-B3D-100M000000	3.3	100.000	50	3.84	3.36	2.88	2.56	1000	2.30
711-VCC1-B3D-125M	VCC1-B3D-125M000000	3.3	125.000	50	4.35	3.81	3.26	2.90	1000	2.61
711-VCC1-FIBS-106M25	VCC1-FIBS-106M25	3.3	106.250	50	3.45	3.02	2.59	2.30	1000	2.07

## VCC6-Q/R SERIES LVPECL CRYSTAL OSCILLATORS 5 X 7.5 X 2.2MM

- Features:**
- 2.5 or 3.3V LVPECL
  - 3rd Overtone Crystal for best jitter performance
  - Output frequencies to 270MHz
  - 0.2pS rms jitter, 12kHz-20MHz, 155.52MHz
  - Enable/Disable for test and board debug
  - -10/70 or -40/85°C operating temperature
  - Hermetically sealed ceramic SMD package
  - Product is compliant to RoHS directive

- Applications:**
- SONET/SDH/DWDM
  - Fiber Channel
  - Ethernet, Gigabit Ethernet
  - Storage Area Network
  - Digital Video
  - Broadband Access



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MOUSER STOCK NO.	Vectron Part No.	Supply Voltage (V)	Frequency (MHz)	Absolute Pull Range (ppm)	Price Each				Reel Quantity	Reel Price
					1	50	100	500		
711-VCC6-QCD-100M	VCC6-QCD-100M000000	3.3	100.00	50	18.54	16.22	13.91	12.36	1000	11.12
711-VCC6-QCD-125M	VCC6-QCD-125M000000	3.3	125.00	50	18.54	16.22	13.91	12.36	1000	11.12
711-VCC6-QCD-155M52	VCC6-QCD-155M520000	3.3	155.52	50	18.54	16.22	13.91	12.36	1000	11.12
711-VCC6-QCD-156M25	VCC6-QCD-156M250000	3.3	156.25	50	18.54	16.22	13.91	12.36	1000	11.12

## VS-705 SERIES SINGLE FREQUENCY VCISO OSCILLATORS 5 X 7.5 X 2.5MM

- Features:**
- Industry Standard Package, 5.0 x 7.5 x 2.5mm
  - 5th Generation ASIC Technology for Ultra Low Jitter
  - 120 fs-rms (fN = 622.08MHz, 12kHz to 20MHz)
  - 105 fs-rms (fN = 622.08MHz, 50kHz to 80MHz)
  - Output Frequencies from 122.88MHz to 985.00MHz
  - Spurious Suppression, 90dBc Typical
  - 2.5V or 3.3V Supply Voltage
  - LVPECL or LVDS Output Configurations
  - Tri-State Output Select (OD, OS, OE)
  - Compliant to EC RoHS Directive

- C4400 Applications:**
- 1-2-4 Gigabit Fibre Channel
  - 10 Gigabit Fibre Channel
  - 10GbE LAN / WAN
  - Synchronous Ethernet
  - OC-192
  - SONET / SDH
  - WiMax



RoHS Compliant

MOUSER STOCK NO.	Vectron Part No.	Output Type	Frequency (MHz)	Absolute Pull Range (ppm)	Price Each			Reel Quantity	Reel Price
					1	10	100		
711-705KAAN-155M52	VS-705-LFF-KAAN-155M520000	LVPECL	155.52000	50	44.02	41.92	38.78	200	36.68
711-705KAAN-320M	VS-705-LFF-KAAN-320M000000	LVPECL	320.00000	50	44.02	41.92	38.78	1000	33.54
711-705KAAN-491M52	VS-705-LFF-KAAN-491M520000	LVPECL	491.52000	50	44.02	41.92	38.78	1000	33.54
711-705KAAN-622M08	VS-705-LFF-KAAN-622M080000	LVPECL	622.08000	50	55.02	52.40	48.47	1000	41.92
711-705KAAN-644M53125	VS-705-LFF-KAAN-644M531250	LVPECL	644.53125	50	55.02	52.40	48.47	200	45.85
711-705KAAN-800M	VS-705-LFF-KAAN-800M000000	LVPECL	800.00000	50	66.95	63.76	58.98	200	55.79
711-705KAAN-983M04	VS-705-LFF-KAAN-983M040000	LVPECL	983.04000	50	66.95	63.76	58.98	200	55.79
711-705SAAN-125M	VS-705-LFF-SAAN-125M000000	LVPECL	125.00000	100	47.10	44.86	41.50	200	39.25
711-705SAAN-156M25	VS-705-LFF-SAAN-156M250000	LVPECL	156.25000	100	47.10	44.86	41.50	200	39.25

