

Product Type	Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	T & R Pricing 1,000	Crystek Corporation Part No.	Compatible Chipsets and Applications
			1	5	10				
Oscillator	49.152000	744-1026-1-ND	3.63	3.45	3.18	744-1026-2-ND	1270.50	601188	Texas Instruments: FireWire TSB41BA3, -40°C ~ 85°C, 1.8V
	49.152000	744-1027-1-ND	3.40	3.23	2.98	744-1027-2-ND	1190.64	601230	Texas Instruments: FireWire TSB41BA3, 0°C ~ 70°C, 1.8V
	98.304000	744-1025-1-ND	3.37	3.21	2.95	744-1025-2-ND	1176.12	601107	Texas Instruments: DSP Radio, 0°C ~ 70°C, 3.3V
	98.304000	744-1029-1-ND	8.57	8.14	7.50	744-1029-2-ND	2998.38	601252	Texas Instruments: FireWire TSB81BA3, -40°C ~ 85°C, 1.8V
VCXO	80.000000	744-1252-ND†	41.47	39.42	36.29	—	—	602019	Linear Technologies DC1216A-C
	100.000000	744-1250-ND†	41.47	39.42	36.29	—	—	601964	Linear Technologies DC1216A-A
	122.890000	744-1251-ND†	42.92	40.80	37.56	—	—	602017	Linear Technologies DC1216A-B

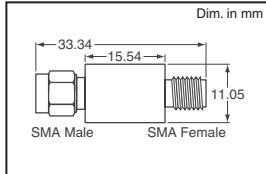
† Bulk

## PRO Series (Pocket Reference Oscillator)

Crystek's PRO Series is an industry first. A complete HCMOS crystal clock oscillator has been integrated in a rugged SMA housing.

Simply connect 3.3VDC to the female SMA side and it will output a clean low jitter signal from the male SMA side. In effect, each PRO is a fixed frequency portable crystal generator.

Frequency stability is ±25ppm over 0°C ~ 70°C. Pocket Reference Oscillators are available off the shelf in many standard frequencies and are perfect for lab use.



Frequency (MHz)	Digi-Key Part No.	Price Each			Crystek Corporation Part No.
		1	5	10	
4.000	744-1225-ND	36.02	32.64	31.85	CPR033-4.000
5.000	744-1226-ND	36.02	32.64	31.85	CPR033-5.000
8.000	744-1227-ND	36.02	32.64	31.85	CPR033-8.000
10.000	744-1228-ND	36.02	32.64	31.85	CPR033-10.000
12.000	744-1229-ND	36.02	32.64	31.85	CPR033-12.000
16.000	744-1230-ND	36.02	32.64	31.85	CPR033-16.000
16.384	744-1231-ND	36.02	32.64	31.85	CPR033-16.384
20.000	744-1232-ND	36.02	32.64	31.85	CPR033-20.000
25.000	744-1233-ND	36.02	32.64	31.85	CPR033-25.000
32.768	744-1234-ND	36.02	32.64	31.85	CPR033-32.768
44.736	744-1235-ND	36.02	32.64	31.85	CPR033-44.736
45.000	744-1236-ND	36.02	32.64	31.85	CPR033-45.000
50.000	744-1237-ND	36.02	32.64	31.85	CPR033-50.000
62.500	744-1238-ND	36.02	32.64	31.85	CPR033-62.500
77.760	744-1239-ND	36.02	32.64	31.85	CPR033-77.760
80.000	744-1240-ND	36.02	32.64	31.85	CPR033-80.000
100.000	744-1241-ND	36.02	32.64	31.85	CPR033-100.000
106.250	744-1242-ND	36.02	32.64	31.85	CPR033-106.250
125.000	744-1243-ND	36.02	32.64	31.85	CPR033-125.000

Note: For additional specifications please see the manufacturer's data sheets.

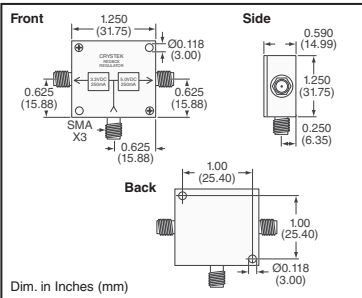
## RedBox Regulator Kits



Crystek's new RedBox Series Regulators offer DC Voltage Regulation integrated in a rugged Connectorized SMA housing. Simply connect the 6VDC wall adapter to the input using the adapter cable and it will provide a clean dual regulated 250mA DC output at the specified voltage. Available off the shelf in 1.8/2.5VDC and 3.3/5.0VDC. Perfect for Lab use when a dual DC output power supply is required.

**Specifications:** • Operating Temperature: -40°C ~ 85°C • Storage Temperature: -45°C ~ 90°C • Output Voltage: Per PN Selection • Output Current per side: 250mA Maximum • Output Voltage Tolerance: ±1% Maximum

**Caution:** Care must be taken when using unspecified wall adapters as unloaded voltage may exceed specified input voltage resulting in regulator damage.

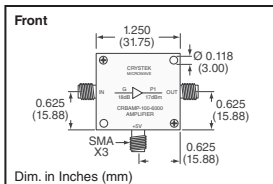


Description	Digi-Key Part No.	Price Each			Crystek Corporation Part No.
		1	5	10	
1.8VDC and 2.5VDC RedBox Regulator, Adapter Cable, Wall Adapter, SMA to Alligator Clips Kit	744-1288-ND	78.94	77.43	75.91	CRBR-1.8-2.5V-KIT
3.3VDC and 5.0VDC RedBox Regulator, Adapter Cable, Wall Adapter, SMA to Alligator Clips Kit	744-1289-ND	78.94	77.43	75.91	CRBR-3.3-5.0V-KIT

## RedBox Amplifier



Crystek's model CRBAMP-100-6000 is a low-noise general purpose connectorized amplifier covering a frequency range of 100 MHz to 6 GHz. The amplifier is housed in a custom aluminum enclosure (1.25" x 1.25" x 0.59") with 3 SMA connectors for both input and output as well as the power supply input. The unit operates from a single 5V supply consuming only 60mA. This broadband, low-noise amplifier has a small signal gain of 18dB with an output power of 17dBm (P1dB). It features a typical noise figure of 3.5dB with an IP3 of 30dBm. Applications include IF or RF buffer amplifiers, base stations, high reliability applications and general lab use for in-house testing.



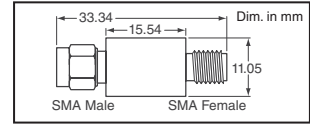
744-1292-ND (CRBAMP-100-6000) ..... 54.33

## PROPOWER In-Line Regulator Kits

Crystek's new PROPOWER Series In-Line Regulators offer DC Voltage Regulation integrated in a rugged SMA housing. Simply connect the 6VDC wall adapter to the female SMA side using the adapter cable and it will output clean regulated DC at the specified voltage. Perfect for Lab use.

**Specifications:** • Operating Temperature: -40°C ~ 85°C • Storage Temperature: -45°C ~ 90°C • Output Voltage: Per PN Selection • Output Current: 250mA Maximum • Output Voltage Tolerance: ±1% Maximum

**Caution:** Care must be taken when using unspecified wall adapters as unloaded voltage may exceed specified input voltage resulting in regulator damage.



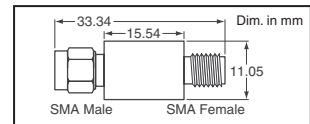
Description	Digi-Key Part No.	Price Each			Crystek Corporation Part No.
		1	5	10	
1.8VDC In-Line Regulator, Cable, Wall Adapter Kit	744-1283-ND	53.41	49.60	48.65	PROPOWER-1.8V-KIT
2.5VDC In-Line Regulator, Cable, Wall Adapter Kit	744-1284-ND	53.41	49.60	48.65	PROPOWER-2.5V-KIT
3.3VDC In-Line Regulator, Cable, Wall Adapter Kit	744-1285-ND	53.41	49.60	48.65	PROPOWER-3.3V-KIT
5.0VDC In-Line Regulator, Cable, Wall Adapter Kit	744-1286-ND	53.41	49.60	48.65	PROPOWER-5.0V-KIT

**D**

## SMA DC Block



**Features:** • Low insertion loss • Flat frequency response • Excellent return loss through 3 GHz  
**Maximum Ratings:** • 16W VDC Max. • Operating Temperature: -55°C ~ 90°C • Storage Temperature: -55°C ~ 125°C  
**Applications:** • DC blocking • Broadband coupling • Test and measurement



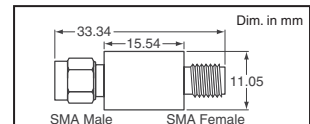
Digi-Key Part No.	Price Each			Crystek Corporation Part No.
	1	5	10	
744-1268-ND	13.47	12.03	11.64	CBKL-300-3

Note: For additional specifications please see the manufacturer's data sheets.

## SMA 50Ω Attenuators



The Attenuator Series offers end users a rugged SMA attenuator housing for easy connection. Attenuators are available from 1dB to 20dB. Tolerance matching is used to provide superior temperature tracking to individual components. Attenuator frequency range is from DC to 3 GHz.



Attenuation (dB)	Digi-Key Part No.	Price Each			Crystek Corporation Part No.
		1	5	10	
1.0	744-1255-ND	13.47	12.03	11.64	CATTEN-01R0
1.5	744-1256-ND	13.47	12.03	11.64	CATTEN-01R5
2.0	744-1257-ND	13.47	12.03	11.64	CATTEN-02R0
3.0	744-1258-ND	13.47	12.03	11.64	CATTEN-03R0
4.0	744-1259-ND	13.47	12.03	11.64	CATTEN-04R0
5.0	744-1260-ND	13.47	12.03	11.64	CATTEN-05R0
6.0	744-1261-ND	13.47	12.03	11.64	CATTEN-06R0
7.0	744-1262-ND	13.47	12.03	11.64	CATTEN-07R0
8.0	744-1263-ND	13.47	12.03	11.64	CATTEN-08R0
9.0	744-1264-ND	13.47	12.03	11.64	CATTEN-09R0
10.0	744-1265-ND	13.47	12.03	11.64	CATTEN-0100
15.0	744-1266-ND	13.47	12.03	11.64	CATTEN-0150
20.0	744-1267-ND	13.47	12.03	11.64	CATTEN-0200

Note: For additional specifications please see the manufacturer's data sheets.

## SMA and N-Type RF Coax Cables



**Applications Include:** • Standard Lab use • PRO (Pocket Reference Oscillators) • Attenuators • DC Block • RedBox Regulators • PROPOWER In-Line Regulators

Description	Digi-Key Part No.	Price Each			Crystek Corporation Part No.
		1	5	10	
SMA Male/Male RG174 Cable, 6"	744-1244-ND	10.43	8.72	7.95	CCSMA-MM-RG174-6
SMA Male/Male RG174 Cable, 12"	744-1245-ND	10.55	8.83	8.04	CCSMA-MM-RG174-12
SMA Male/Male RG174 Cable, 18"	744-1246-ND	11.15	9.32	8.49	CCSMA-MM-RG174-18
SMA Male/Male RG174 Cable, 24"	744-1247-ND	11.26	9.42	8.58	CCSMA-MM-RG174-24
SMA Male/Male RG174 Cable, 36"	744-1248-ND	11.38	9.52	8.67	CCSMA-MM-RG174-36
SMA/BNC Male/Male RG174 Cable, 36"	744-1249-ND	9.22	7.98	7.27	CCBNS-MM-RG174-36
SMA Male/Male RG316 Double Shielded Cable, 12"	744-1276-ND	10.80	9.67	8.81	CCSMA-MM-RG316DS-12
SMA Male/Male RG316 Double Shielded Cable, 24"	744-1277-ND	11.65	10.88	9.91	CCSMA-MM-RG316DS-24
SMA Male/Male RG316 Double Shielded Cable, 36"	744-1278-ND	13.66	12.75	11.61	CCSMA-MM-RG316DS-36
SMA Male/Male RG316 Double Shielded Cable, 48"	744-1279-ND	17.22	16.07	14.64	CCSMA-MM-RG316DS-48
N-Type Male/Male RG58/U Shielded Cable, 12"	744-1273-ND	10.56	9.86	8.98	CCN-MM-RG58-12
N-Type Male/Male RG58/U Shielded Cable, 24"	744-1274-ND	11.17	10.43	9.50	CCN-MM-RG58-24
N-Type Male/Male RG58/U Shielded Cable, 36"	744-1275-ND	12.12	11.32	10.31	CCN-MM-RG58-36
<b>Accessories</b>					
SMA/2.1mm Male/Male RG174 Adapter Cable, 6"	744-1280-ND	16.00	15.69	15.39	CCADP-MM-6
SMA to Alligator Clips RG174 Adapter Cable, 24"	744-1281-ND	17.39	17.06	16.73	CCSMA-CL-24
BNC to Alligator Clips RG174 Adapter Cable, 30"	744-1282-ND	17.39	17.06	16.73	CCBNC-CL-30
6VDC (0.6A) Wall Adapter	744-1287-ND	9.43	9.25	9.07	CCTRAN-600

Note: For additional specifications please see the manufacturer's data sheets.

**Free shipping on orders over £50! All prices are in British pound sterling and include duties.**

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