

# MIL-PRF-55681 Chips

## CDR31-CDR35



### HOW TO ORDER

#### CDR31

**MIL Style**  
 CDR31  
 CDR32  
 CDR33  
 CDR34  
 CDR35

#### BP

**Voltage Temperature Limits**  
 BP =  $0 \pm 30$  ppm/°C without voltage;  
 $0 \pm 30$  ppm/°C with rated voltage from -55°C to +125°C  
 BX =  $\pm 15\%$  without voltage;  
 $+15 - 25\%$  with rated voltage from -55°C to +125°C

#### 101

**Capacitance**  
 Two digit figures followed by multiplier (number of zeros to be added)  
 e.g. 101 = 100pF

#### B

**Rated Voltage**  
 A = 50V  
 B = 100V

#### K

**Capacitance Tolerance**  
 C  $\pm .25$  pF  
 D  $\pm .5$  pF  
 F  $\pm 1\%$   
 J  $\pm 5\%$   
 K  $\pm 10\%$   
 M  $\pm 20\%$

#### S

**Termination Finish**  
 M = Palladium Silver  
 N = Silver Nickel Gold  
 S = Solder-Coated  
 Y = 100% Tin  
 U = Base Metallization/Barrier Metal/Solder Coated\*  
 W = Base Metallization/Barrier Metal/Tinned (Tin or Tin/Lead Alloy)

#### M

**Failure Rate Level**  
 M = 1.0%  
 P = .1%  
 R = .01%  
 S = .001%

NOTE: Contact factory for availability of Termination and Tolerance Options for Specific Part Numbers.

\*Solder shall have a melting point of 200°C or less.

### PACKAGING

Bulk is standard packaging. Tape and reel per RS481 is available upon request.

### CDR31 thru CDR35 to MIL-PRF-55681

Type	Dielectric	Capacitance pF	Tolerance	Voltage WVDC
CDR31	BP	1.0 - 2.4	B,C	100
CDR31	BP	2.7 - 9.1	B,C,D	100
CDR31	BP	10.0 - 470	F,J,K	100
CDR31	BP	510 - 680	F,J,K	50
CDR31	BX	470 - 4,700	K,M	100
CDR31	BX	5,600 - 18,000	K,M	100
CDR32	BP	1.0 - 2.4	B,C	100
CDR32	BP	2.7 - 9.1	B,C,D	100
CDR32	BP	10.0 - 1,000	F,J,K	100
CDR32	BP	1,100 - 2,200	F,J,K	50
CDR32	BX	4,700 - 15,000	K,M	100
CDR32	BX	18,000 - 39,000	K,M	50
CDR33	BP	1,000 - 2,200	F,J,K	100
CDR33	BP	2,700 - 3,300	F,J,K	50
CDR33	BX	15,000 - 27,000	K,M	100
CDR33	BX	39,000 - 100,000	K,M	50
CDR34	BP	2,200 - 4,700	F,J,K	100
CDR34	BP	5,100 - 10,000	F,J,K	50
CDR34	BX	27,000 - 56,000	K,M	100
CDR34	BX	100,000 - 180,000	K,M	50
CDR35	BP	4,700 - 10,000	F,J,K	100
CDR35	BP	11,000 - 22,000	F,J,K	50
CDR35	BX	56,000 - 150,000	K,M	100
CDR35	BX	180,000 - 470,000	K,M	50

