Model P08x
8mm Square
Rotary Potentiometer
Dust Proof
Conductive Plastic Element
100,000 Cycle Life
Rotary Switch Option
Detent Option
Multiple Gangs available
RoHS Compliant

MODEL STYLES

Side Adjust, Potentiometer Module (Up to 4 gangs)	P08xN
Side Adjust, Potentiometer with Rotary Switch Module (Up to 4 gangs)	P08xS
Side Adjust, Potentiometer with Dual Shaft Module (2 or 4 gang)	P08xD
Side Adjust, Potentiometer with Dual Shaft and Rotary Switch Module (2 or 4 gang)	P08xE

ELECTRICAL[1]

Resistance Range, Ohms	500 -1M (for "B" taper) 1K-1M (for other tapers)	
Standard Resistance Tolerance		± 20%
Residual Resistance, Maximum		50 ohms
Input Voltage, Maximum		50 Vac
Power rating, Watts		0.05W- B taper, 0.025W- others
Dielectric Strength		300Vac, sea level
Insulation Resistance, Minimum		100 Megohms
Gang Error (Multi-ganged), Maximum		+/-3 dB (-40 dB to 0dB)
Actual Electrical Travel, Nominal	With Switch = 230°	Without Switch =270°
Switch Contact Resistance, Maximum		100 milliohms max.
Switch Power Rated		3.0A at 16Vdc

MECHANICAL

Total Mechanical Travel	300°± 10°
Static Stop Strength	42 oz-in
Rotational Torque, Maximum	0.7 oz-in (0.2 oz-in each additional gang)
Switch Detent,	1.0 oz-in
Switch Travel angle	50°

[1] *Specifications subject to change without notice.*

BI Technologies Corporation
4200 Bonita Place, Fullerton, CA 92835 USA
Phone: 714 447 2345 Website: www.bitechnologies.com

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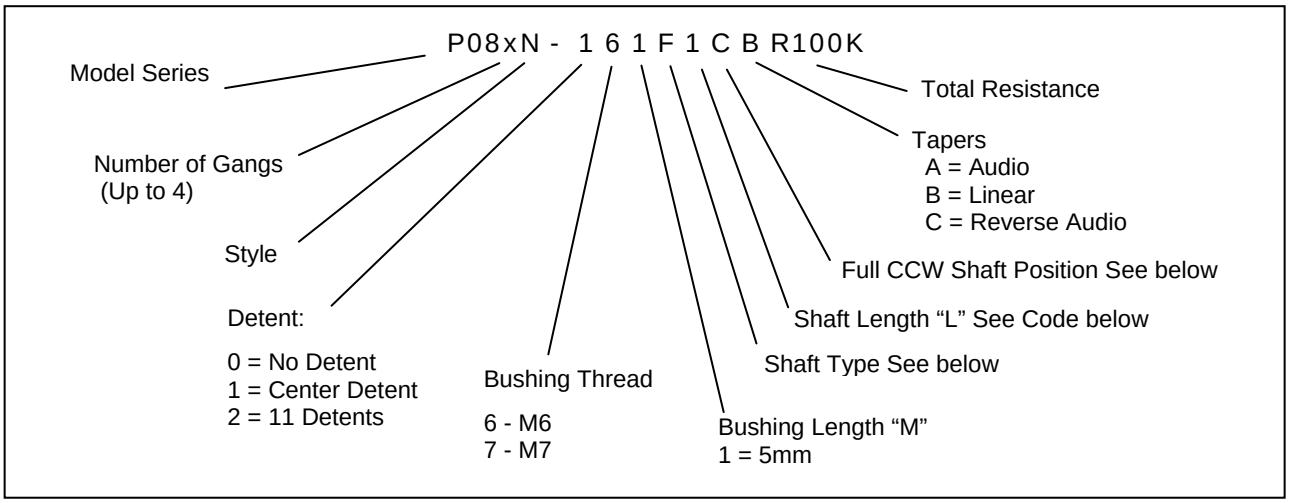
ENVIRONMENTAL

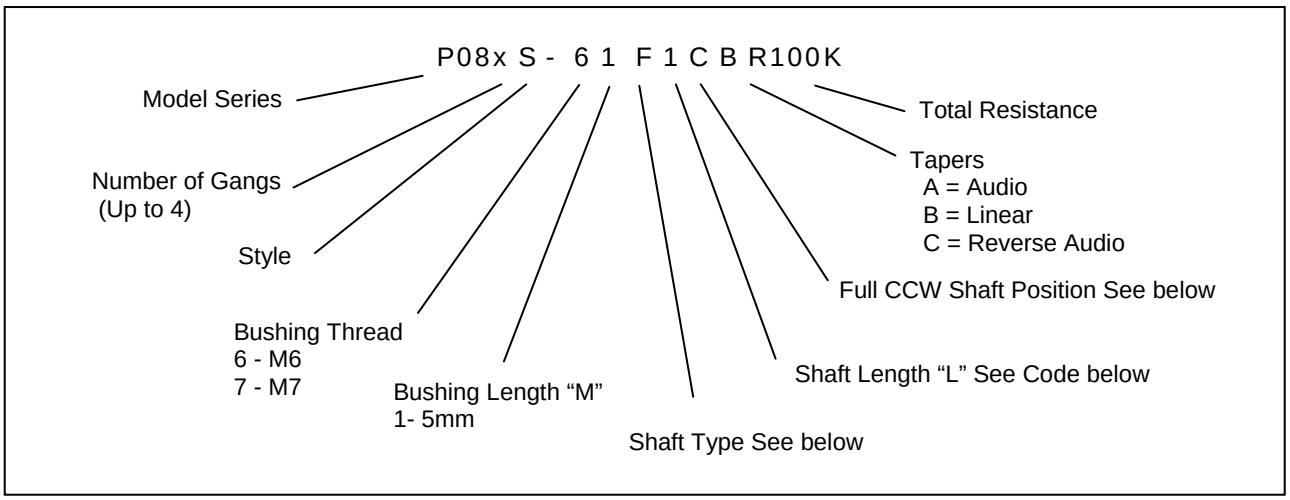
Operating Temperature Range		-55°C to +125°C
Rotational Life	Switch = 30,000 cycles	Potentiometer = 100,000 cycles
IP Rating		Dust Proof = IP50

ORDERING INFORMATION[2]

P08xN - POTENTIOMETER MODULE



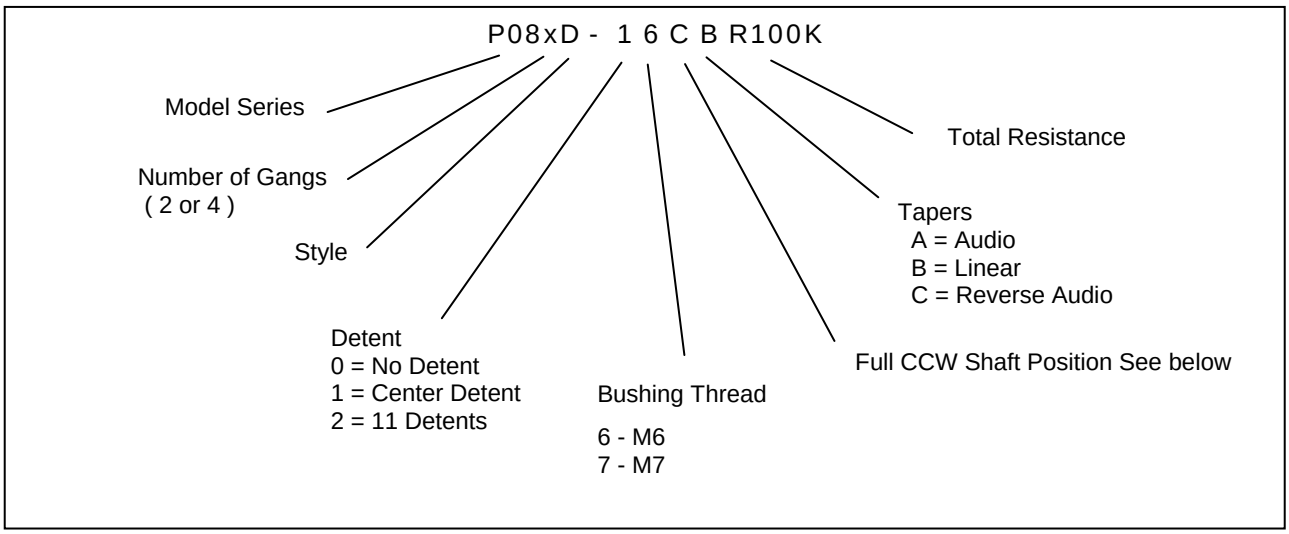
P08xS - POTENTIOMETER WITH ROTARY SWITCH MODULE



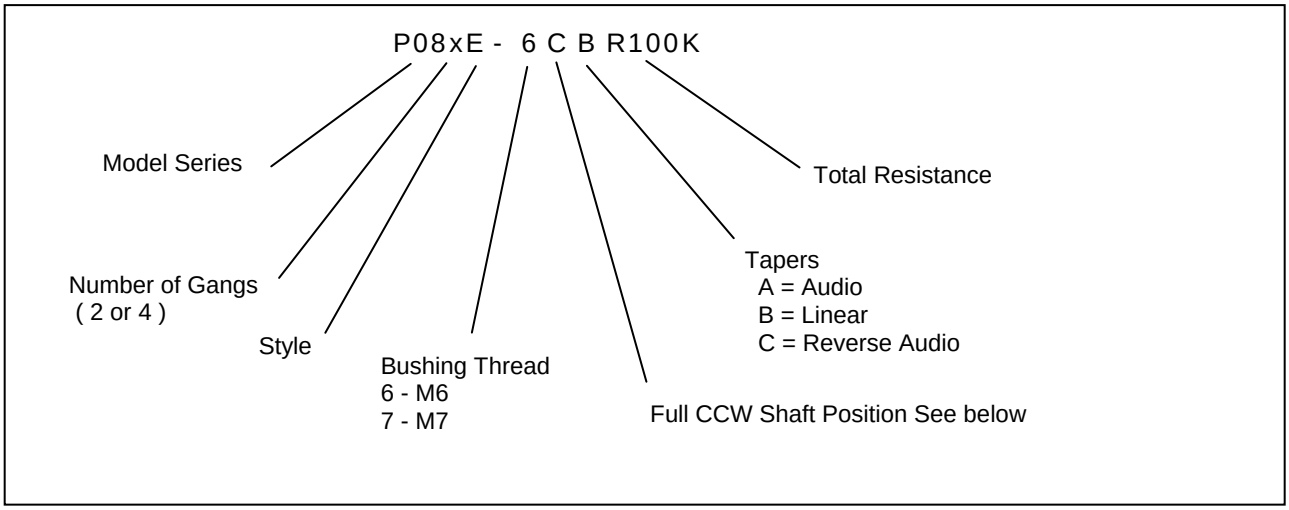
[2] *Contact our customer service for custom designs and features.*

Model P08x

P08xD - POTENTIOMETER WITH DUAL SHAFT MODULE

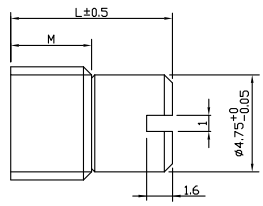


P08xE - POTENTIOMETER WITH DUAL SHAFT AND ROTARY SWITCH MODULE



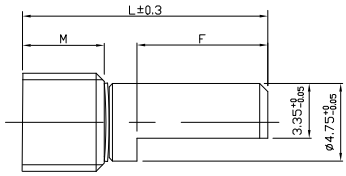
Shaft Length "L" Code – For Models P08xN and P08xS only

S – TYPE



CODE	1	2	3	4	5
L	10	12	15	20	25

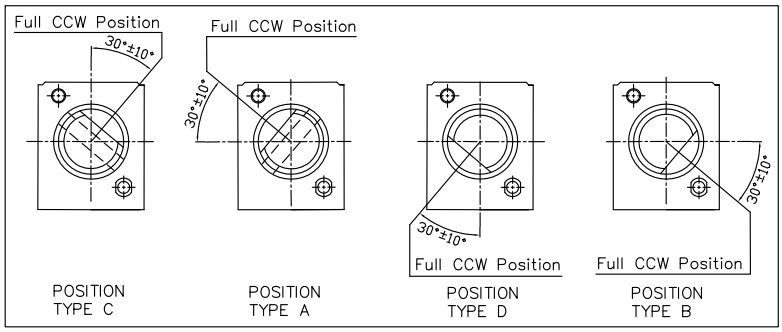
F – TYPE



CODE	1	2	3	4	5
L	10	15	15	20	25
F	4	7	8	10	12

Shaft Position (F-Type Shaft)

Dashed lines on Type "C" and Type "A" shows position of adjustment slot for S-Type

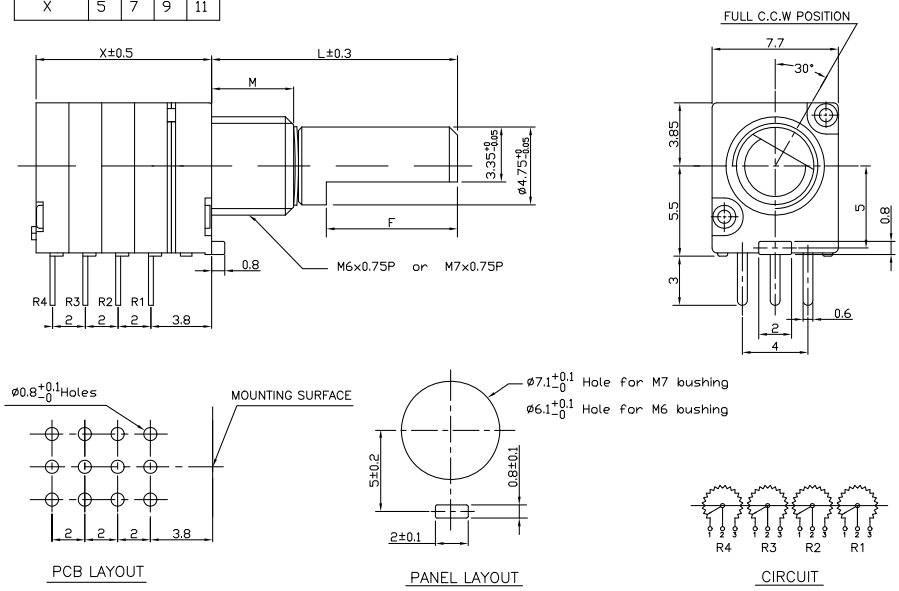


STANDARD RESISTANCE VALUES, OHMS										
500	1K	2K	5K	10K	20K	50K	100K	200K	500K	1MEG

OUTLINE DRAWING

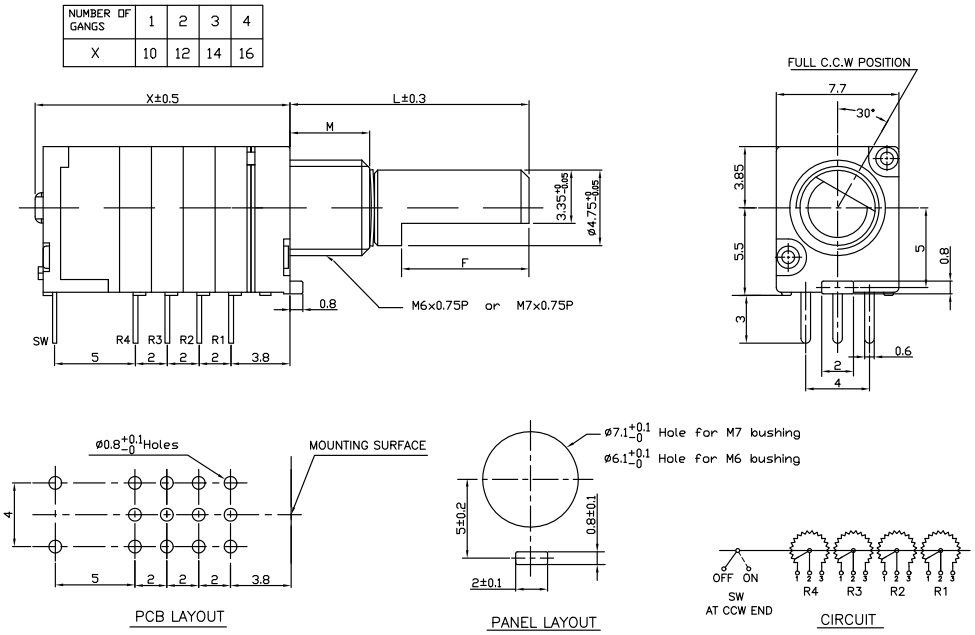
P08xN - POTENTIOMETER MODULE

NUMBER OF GANGS	1	2	3	4
X	5	7	9	11



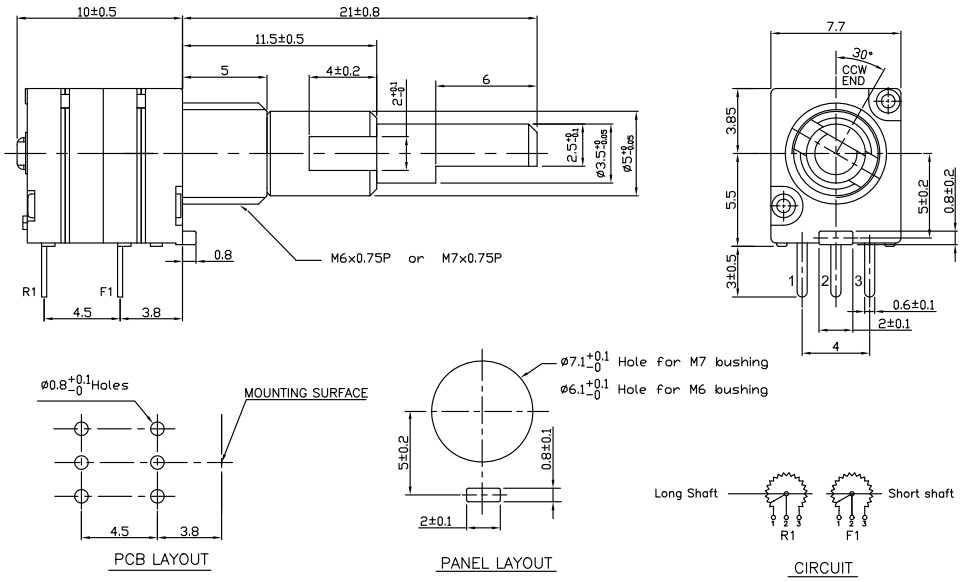
P08xS - POTENTIOMETER WITH ROTARY SWITCH MODULE

NUMBER OF GANGS	1	2	3	4
X	10	12	14	16

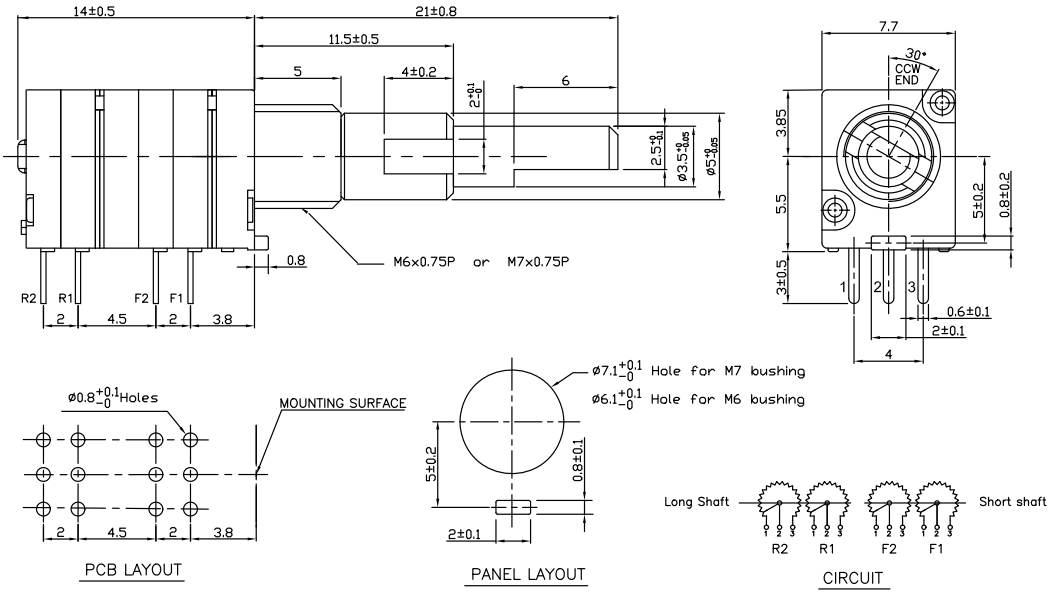


P08xD - POTENTIOMETER WITH DUAL SHAFT MODULE

2 GANG

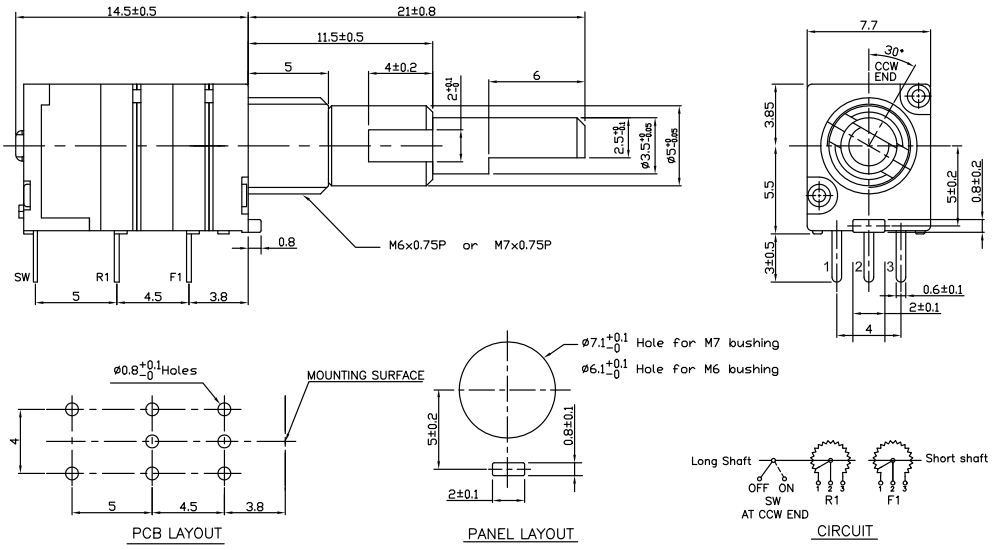


4 GANG

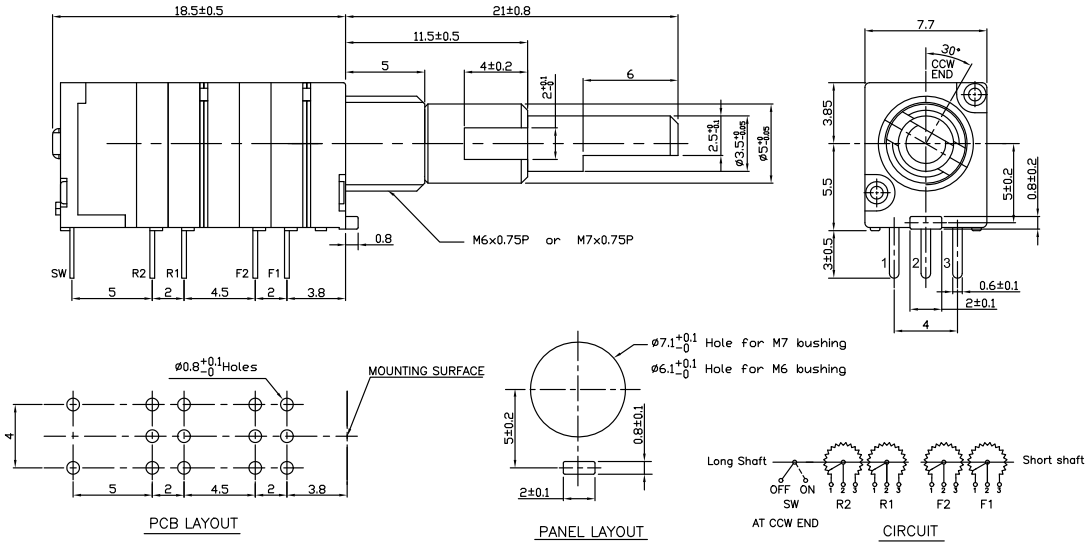


P08xE - POTENTIOMETER WITH DUAL SHAFT AND ROTARY SWITCH MODULE

2 GANG



4 GANG



Mouser Electronics

Authorized Distributor

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TT Electronics:

P081N-271F2CBR10K P081S-71F2CAR10K P082D-27CBR10K P081N-061F2BBR100K P081N-061F2ABR100K P081N-061F2BAR10K P081N-061F2AAR100K P081S-71S2CAR10K P084E-7CBR10K P082S-61F1DBR10K P084D-071S3CCR10K P082N-261F1DBR10K P084N-061F2DAR50K P083N-071S1CBR1K P082E-6CAR50K P082D-16CAR50K P082N-161F4CBR100K P081N-261F2BBR10K P081N-271F2CAR10K P084N-061F1CAR10K P082S-61F4CAR50K P081N-071S3CBR10K P082N-271F2CBR10K P081NS-71F2CAR10K P082N-071F2CAR100K P082N-261F2BCR100K P081N061F2ACR100K P082N-061F2BCR100K P081S-61F3DBR100K P081S-61F3DBR10K