

Model P231
24mm Rotary Potentiometer
Conductive Plastic Element
100,000 Cycle Life
Metal shaft / Bushing
RoHS Compliant



MODEL STYLE

Side Adjust , Solder Lugs

P231

ELECTRICAL¹

Resistance Range, Ohms	500-1M
Standard Resistance Tolerance	± 20%
Residual Resistance	20 ohms max.
Input Voltage, maximum	500 Vac max.
Power rating, Watts	0.5W- B taper, 0.25W-others
Dielectric Strength	500Vac, 1 minute
Insulation Resistance, Minimum	100M ohms at 250Vdc
Sliding Noise	100mV max.
Actual Electrical Travel, Nominal	260°

MECHANICAL

Total Mechanical Travel	300°± 10°
Static Stop Strength	70 oz-in
Rotational Torque	0.5 to 1.25 oz-in

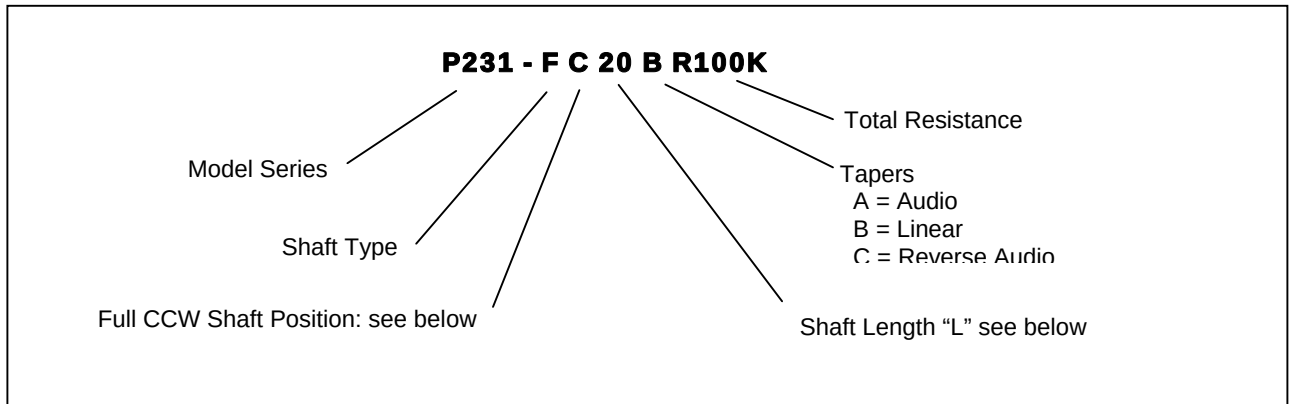
ENVIRONMENTAL

Operating Temperature Range	-20°C to +70°C
Rotational Life	100,000 cycles

¹ Specifications subject to change without notice.

Model P231

ORDERING INFORMATION²

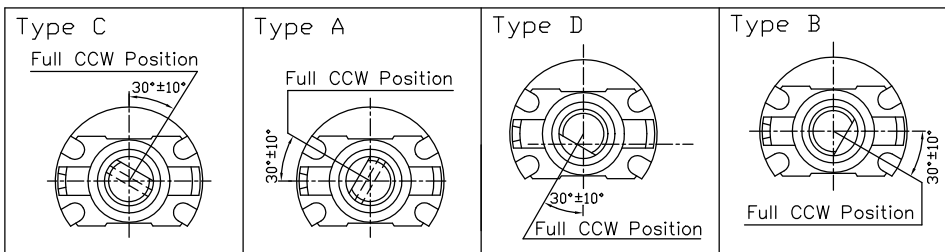


Shaft Types

E-TYPE						F-TYPE						Q-TYPE					
L	15	20	25	30	35	L	15	20	25	30	35	L	15	20	25	30	35
T	7	12	12	12	12	T	6	10	12	12	12	T	6	10	12	12	12

Shaft Position (F-Type Shaft)

Dashed lines on Type "C" and Type "A" shows position of adjustment slot for E-Type and Q-Type shafts



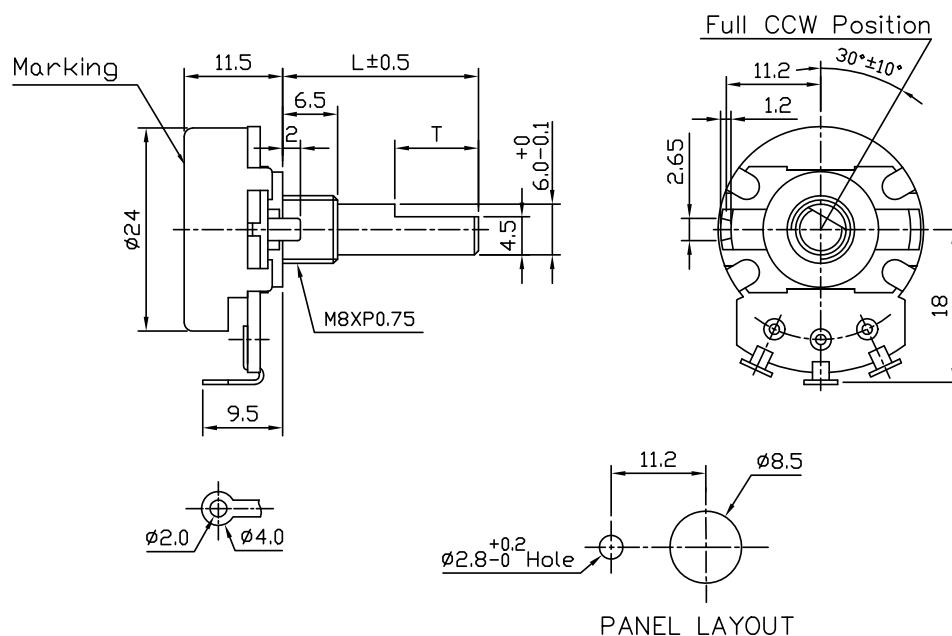
STANDARD RESISTANCE VALUES, OHMS

500 1K 2K 5K 10K 20K 50K 100K 200K 500K 1MEG

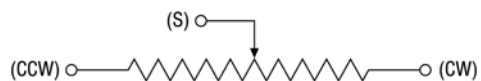
² Contact our customer service for custom designs and features.

Model P231

OUTLINE DRAWING



CIRCUIT DIAGRAM



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TT Electronics:

[P231-QC15AR10K](#) [P231-QC20AR100K](#) [P231-FA25BR50K](#) [P231-FC15AR1K](#) [P231-QC15BR5K](#) [P231-FC20AR100K](#) [P231-QC15BR10K](#) [P231-FC20BR10K](#) [P231-EC35BR5K](#) [P231-FD20BR10K](#) [P231-FD20BR1K](#) [P231-QC20AR10K](#) [P231-EC20AR500K](#) [P231-EC30BR500K](#) [P231-EC30BR1MEG](#) [P231-EC30AR500K](#) [P231-EC15BR1K](#) [P231-SC3RBR5K](#) [P231-Q20BR5K](#) [P231-EC30BR250K](#) [P231-FB35BR10K](#) [P231-EC20BR5K](#) [P231-EC30AR1MEG](#) [P231-EC30CR1MEG](#) [P231-FC35BR10K](#) [P231-EC3RBR5K](#) [P231-EC15BR5K](#) [P231-FC15A10K](#) [P231-EC20BR100K](#) [P231-QC25AR50K](#) [P231-QC20AR20K](#) [P231-EC20BR1K](#) [P231-QC20BR500K](#) [P231-QC20AR250K](#) [P231-EC15AR5K](#) [P231-FC15AR10K](#) [P231-QC20BR10K](#) [P231-EC20AR5K](#) [P231-QC15AR250K](#) [P231-EC30AR100K](#) [P231-EC15AR250K](#) [P231-QC20AR1MEG](#) [P231-EC30BR50K](#) [P231-QC20BR25K](#) [P231-QC15BR250K](#) [P231-EC20CR1MEG](#) [P231-QC15CR1MEG](#) [P231-QC15BR500K](#) [P231-FC15BR10K](#) [P231-EC30AR250K](#) [P231-QC20BR250K](#) [P231-QC20BR100K](#) [P231-EC15AR1MEG](#) [P231-EC30BR10K](#) [P231-FA20BR5K](#) [P231-QC20CR1MEG](#) [P231-QC20AR25K](#) [P231-EC15BR250K](#) [P231-EC30BR25K](#) [P231-EC15BR10K](#) [P231-QC20AR500K](#) [P231-EC15AR10K](#) [P231-EC30BR100K](#) [P231-EC30AR25K](#) [P231-EC30CR3MEG](#) [P231-EC20AR1MEG](#)