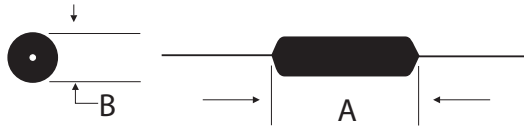


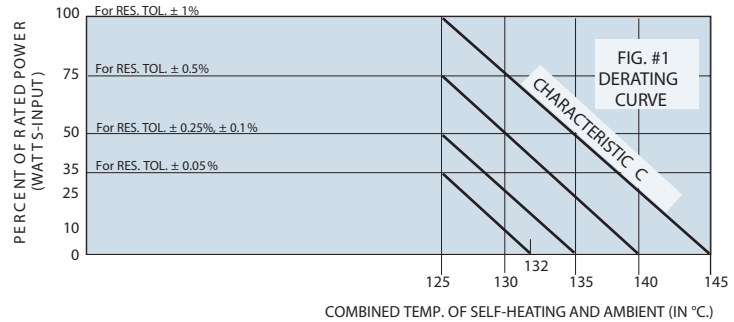
SX - HIGH PRECISION



Series Attributes Include:

Values from 0.01Ω to 6 MΩ
 Tolerances to ±0.05%
 TCR Characteristic 0±10 ppm/°C.
 Temperature..... -55°C. to +145°C.

The Widest Range of Custom Precision Wire Wounds You'll Find Anywhere!



ELECTRICAL & PHYSICAL SPECIFICATIONS		$P = \frac{E^2}{R}$	$E = \sqrt{PR}$	(A) Length		(B) Diameter		Lead Length 1.5" ± 0.125" Max. Diam.	Resistance (Ω)		
INDUCTIVE	NON-INDUCTIVE	Max. Watts	Max. Volts	mm ±1.57	(ins) ±.062"	mm ±.787	(ins) ±.031"		Min.	Max. Standard	Max. Special*
SX030	SX030N	.03W	25V	5.59	(.220")	1.27	(.050")	.020"	1.0	3K	5K
SX062	SX062N	.04W	35V	6.86	(.270")	2.03	(.080")	.020"	1.0	17K	30K
SX063	SX063N	.05W	50V	8.43	(.332")	2.03	(.080")	.020"	0.1	20K	50K
SX072	SX072N	.06W	45V	6.86	(.270")	2.29	(.090")	.020"	0.1	25K	35K
SX073	SX073N	.07W	65V	8.43	(.332")	2.29	(.090")	.020"	0.1	30K	65K
SX093	SX093N	.1W	85V	8.43	(.332")	2.29	(.115")	.025"	0.1	35K	75K
SX094	SX094N	.1W	100V	10.03	(.395")	2.29	(.115")	.025"	0.1	50K	100K
SX095	SX095N	.125W	125V	11.61	(.457")	2.29	(.115")	.025"	0.1	60K	180K
SX105	SX105N	.166W	165V	11.61	(.457")	3.3	(.130")	.025"	0.1	75K	210K
SX123	SX123N	.166W	165V	8.43	(.332")	3.68	(.145")	.025"	0.1	40K	120K
SX106	SX106N	.2W	200V	13.21	(.520")	3.3	(.130")	.025"	0.1	100K	280K
SX124	SX124N	.2W	200V	10.03	(.395")	3.68	(.145")	.025"	0.1	50K	160K
SX143	SX143N	.2W	200V	8.43	(.332")	4.06	(.160")	.028"	0.1	50K	130K
SX154	SX154N	.25W	250V	10.03	(.395")	4.47	(.176")	.028"	0.1	100K	200K
SX155	SX155N	.25W	250V	11.61	(.457")	4.47	(.176")	.028"	0.1	100K	300K
SX156	SX156N	.33W	330V	13.21	(.520")	4.47	(.176")	.028"	0.1	140K	400K
SX174	SX174N	.33W	330V	10.03	(.395")	4.83	(.190")	.028"	0.1	130K	220K
SX175	SX175N	.33W	330V	11.61	(.457")	4.83	(.190")	.028"	0.1	135K	350K
SX158	SX158N	.5W	500V	16.38	(.645")	4.47	(.176")	.028"	0.1	450K	600K
SX177	SX177N	.5W	500V	14.78	(.582")	4.83	(.190")	.028"	0.1	400K	540K
SX185	SX185N	.5W	500V	11.61	(.457")	5.26	(.207")	.028"	0.01*	135K	360K
SX186	SX186N	.5W	500V	13.21	(.520")	5.26	(.207")	.028"	0.01*	150K	480K
SX188	SX188N	.6W	600V	16.38	(.645")	5.26	(.207")	.028"	0.01*	450K	720K
SX2210	SX2210N	.8W	800V	19.56	(.770")	6.10	(.240")	.032"	0.1	511K	1.1 MEG
SX3110	SX3110N	1W	1000V	19.56	(.770")	8.43	(.332")	.032"	0.1	750K	1.6 MEG
SX2812	SX2812N	1.25W	1000V	22.73	(.895")	7.62	(.300")	.032"	0.1	1 MEG	1.8 MEG
SX3114	SX3114N	1.33W	1000V	25.91	(1.020")	8.43	(.332")	.032"	0.1	1.25 MEG	2 MEG
SX3712	SX3712N	1.5W	1000V	22.73	(.895")	11.10	(.437")	.032"	0.25	1.5 MEG	2.5 MEG
SX3716	SX3716N	2W	1250V	29.08	(1.145")	11.10	(.437")	.032"	0.5	2 MEG	3.5 MEG
SX3724	SX3724N	3W	1250V	41.78	(1.645")	11.10	(.437")	.032"	0.5	3 MEG	5 MEG
SX3730	SX3730N	5W	1500V	51.31	(2.020")	11.10	(.437")	.032"	0.5	4 MEG	6 MEG

*0.01Ω to 0.1Ω and maximum special resistance values available in non-standard physical sizes -0+.062"
 †Commercially pure copper (Electrolytic Tough Pitch/Oxygen-Free High Conductivity).

ENGINEERING DATA:

1. RESISTANCE AND TOLERANCE

Select any ohmic value or decimal part of an ohm desired with tolerances to ±0.05%.

2. TEMPERATURE COEFFICIENT OF RESISTANCE ALSO KNOWN AS T.C.R.

Standard: 0±10ppm/°C (100Ω and above).
 0±15ppm/°C (values below 100Ω).
 For specific TCRs to ±1ppm/°C see page 5.
 Refer to page 9 for TCRs to +6000ppm/°C.

3. STABILITY VS. TIME CHARACTERISTICS

To ±0.005%/year at +25°C. with no load.

4. POWER RATINGS VS. AMBIENT TEMP. AND RESISTANCE TOLERANCE

Full power ratings are based upon standard ±1% resistance tolerances. Derating is required for higher temperatures and closer resistance tolerances.

Max Temperature for SX Coating: +145°C.

5. INDUCTANCE

The standard type SX resistors are inductively wound. Non-inductive windings are available - add suffix letter "N" in the part number.

6. TERMINALS

Standard: Solderable hot-tinned pure copper leads.

7. PROTECTIVE COATING

Solvent resistant silicone/epoxy seal.

8. MARKING

PRC symbol, type, value and tolerance.



ISSUE NO. 42

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