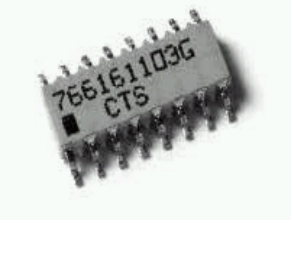


Surface Mount Series 766
(Narrow Body)

Narrow Body Design

- Series 766 requires 30% less board space than molded networks of the same power rating
- Packaged in tape and reel or slide packs
- Solid ceramic construction
- Meets EIA PDP 100 SOGN-0001 outline
- No internal dendrite growth
- Application specific circuits are available
- Compatible with all solder processes - Wave, IR reflow, Vapor phase reflow
- Recommended for bottom slide attachment



Resistance Range:

Standard: 10 Ohm to 1 Meg Ohm

Resistance Tolerance:

Standard: 2% or 0.5 Ohm (whichever is greater)
Special: 0.25% or 0.3 Ohm (whichever is greater)

Maximum Operating Voltage:

50V not to exceed rated power

Temperature Coefficient:

Standard:
100 Ohm to 1 Meg Ohm
200PPM/°C typical
10 Ohm to 99 Ohm
200PPM/°C typical

Operating Temperature Range:

-55°C to +125°C

Dielectric Strength:

100 VAC

Power Rating (Total Network Power):

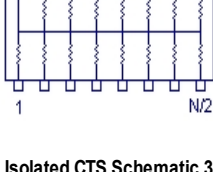
	8 Pin	14 Pin	16 Pin
@25 Deg. Cel.	.9	1.6w	1.8w
@70 Deg. Cel.	.6	1.0w	1.2w

Maximum Resistor Power:

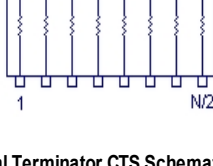
(Not to exceed total network power)

Schematic	1	3	5	7
25 Deg. Cel.	.12w	.24w	.12w	.12w
70 Deg. Cel.	.08w	.16w	.08w	.08w

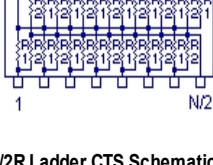
Bussed CTS Schematic 1



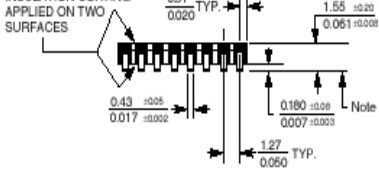
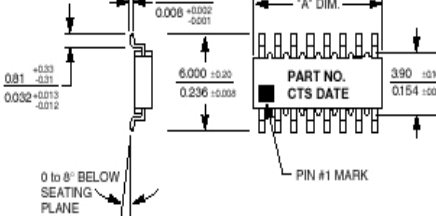
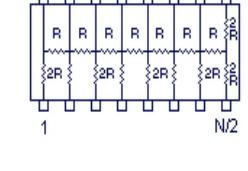
Isolated CTS Schematic 3



Dual Terminator CTS Schematic 5



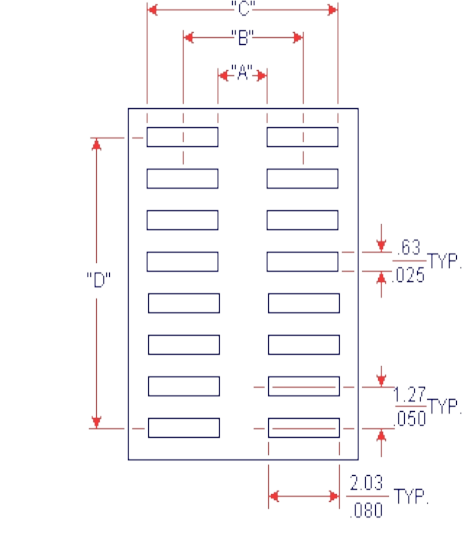
R/2R Ladder CTS Schematic 7



NOTES:

- Lead Coplanarity 0.10 mm/0.004 in. max
- mm & inch DIMENSIONS ARE NOT EQUIVALENT
- General Tolerances are:
±.25mm & ±0.10 inch

No. of Pins	"A" Dimension	
8	mm	End-Of-Life
	inch	End-Of-Life
14	mm	8.65 ±.10
	inch	.340 ±.004
16	mm	9.90 ±.10
	inch	.390 ±.004 .005

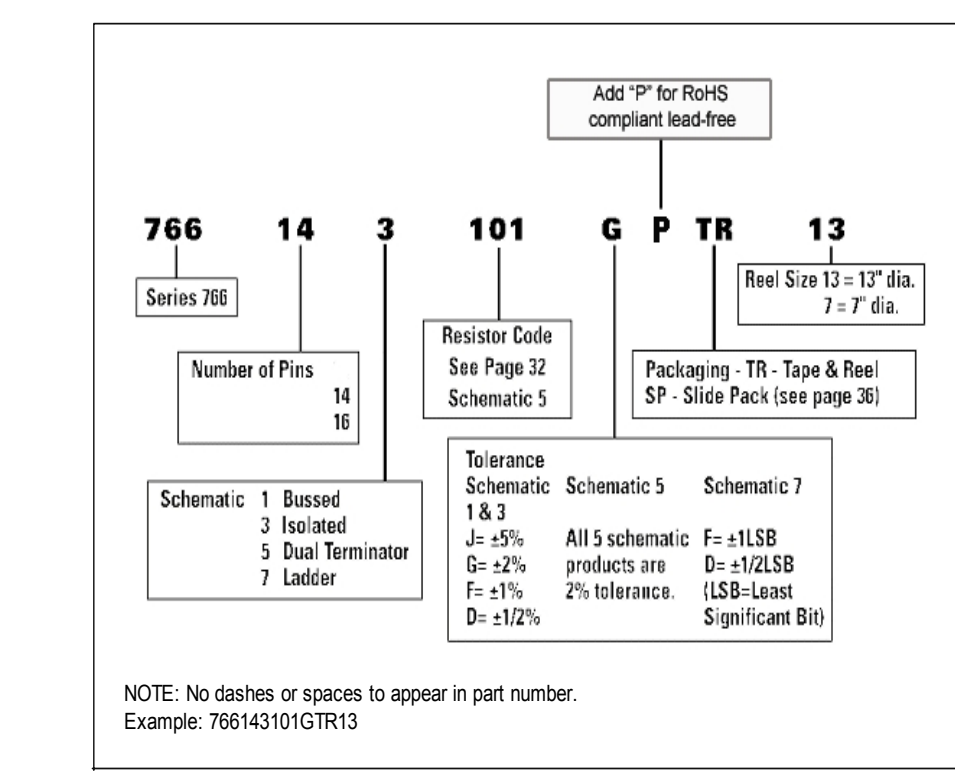


Recommended Land Pattern

LEAD COUNT	A	B	C	D
8P	mm	3.60	5.60	7.60
	in.	.140	.220	.300
14P	mm	3.60	5.60	7.60
	in.	.140	.220	.300
16P	mm	3.60	5.60	7.60
	in.	.140	.220	.300

How to Order 766 Products

Application specific custom networks are marked with either a customer part number or a non-descriptive CTS part number. Send documentation to a CTS Sales Office giving schematic, resistor values and tolerance, and other non-standard information.



(Ohms)	(EIA Code)	(Ohms)	(EIA Code)
0*	000X	3300	332
10	100	3900	392
12	120	5100	512
15	150	5600	562
18	180	6800	682
22	220	8200	822
27	270	10000	103
33	330	11000	113
39	390	12000	123
47	470	15000	153
51	510	18000	183
56	560	20000	203
68	680	22000	223
82	820	27000	273
100	101	33000	333
110	111	39000	393
120	121	47000	473
150	151	56000	563
180	181	68000	683
200	201	82000	823
220	221	100000	104
270	271	110000	114
330	331	120000	124
390	391	150000	154
470	471	180000	184
510	511	200000	204
560	561	220000	224
680	681	270000	274
820	821	330000	334
1000	102	390000	394
1100	112	470000	474
1200	122	560000	564
1500	152	680000	684
1800	182	820000	824
2000	202	1000000	105
2200	222		
2700	272		

*3 ohms max