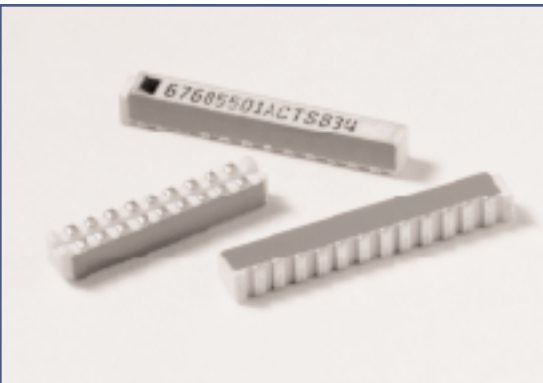


Surface Mount Series 752



In-Line Surface Mount Resistor Products

- High density packaging
- Low profile
- Input/outputs available:
 - Dual Row Terminations - 16, 18, 20, 24
 - Single Row Terminations - 8, 9, 10, 12
- Nickel barrier solder-coated pads
- Designed for visual inspection of solder joints
- Designed for board cleaning
- 24mm tape & reel packaging
- Application specific circuits are available
- Compatible with all solder processes
 - Wave, IR reflow, Vapor phase reflow

Resistance Range:

Standard: 10Ω to 1 MegΩ

Resistance Tolerance:

Standard: ±2% or 0.5Ω (whichever is greater)
Special: ±1% or 0.3Ω (whichever is greater)

Maximum Operating Voltage:

25V not to exceed rated power

Temperature Coefficient:

Standard: ±200PPM/°C
Special: ±100PPM/°C
(33Ω to 1 MegΩ)

Dielectric Strength:

100 VAC

Operating Temperature Range:

-55°C to +125°C

Power Rating (Total Network Power):

Number of input/outputs (watts)

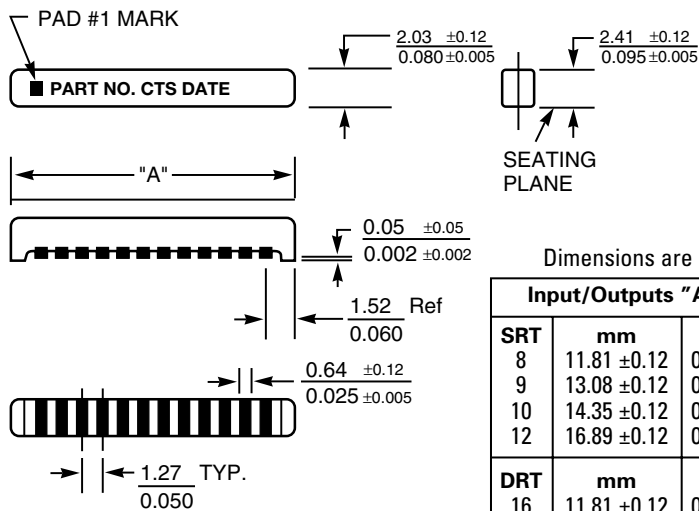
SRT	8	9	10	12	16	18	20	24
DRT					1.2	1.3	1.4	1.7
@25°C	1.2	1.3	1.4	1.7	1.4	1.5	1.6	2.0
@70°C	0.8	0.85	0.9	1.1	0.9	0.95	1.0	1.3

Maximum Resistor Power:

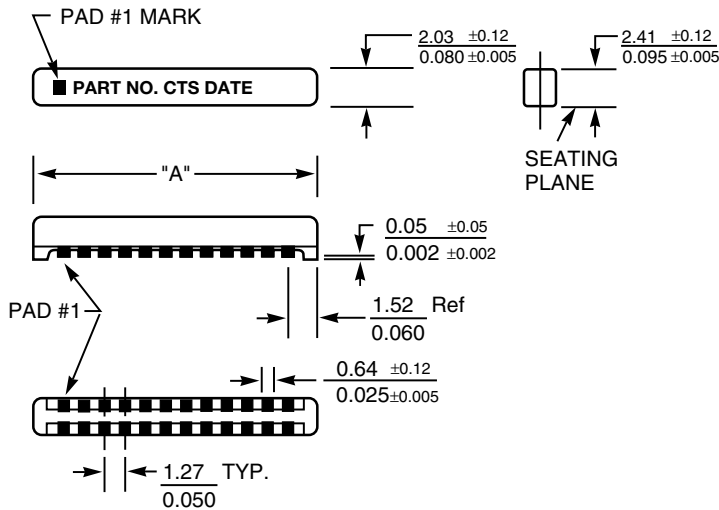
(Not to Exceed Total Network Power)

	Bussed & Dual Terminator Schematic	Isolated Schematic
@25°C	0.12w	0.24w
@70°C	0.08w	0.16w

Single Row Termination (SRT)



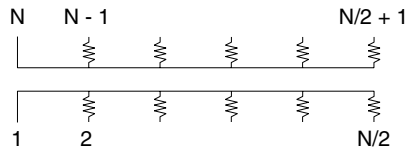
Dual Row Termination (DRT)



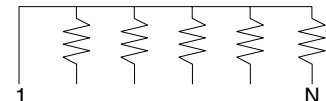
The TCE of the mounting surface will affect the long term reliability of the solder joint between the Series 752 and the mounting surface. Application requirements vary and each user must determine whether the Series 752 is appropriate for the application. Thermal shock data for solder joint fatigue is available on request.

Application Notes	pages 32-33
Power Derating	page 45
Land Patterns	pages 46-47
Packaging	pages 48-49
Environmental Performance Specifications	pages 50-51

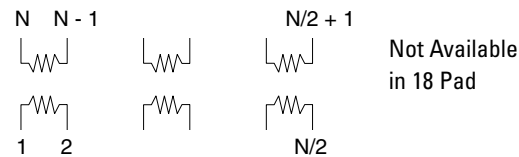
Bussed DRT Schematic 1



Bussed SRT Schematic 1



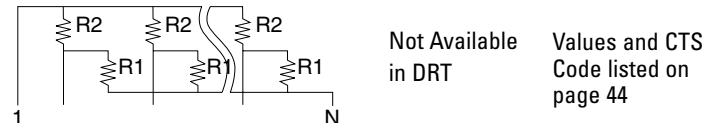
Isolated DRT Schematic 3



Isolated SRT Schematic 3



Dual Terminator SRT Schematic 5



(Ohms)	EIA Code
10	100
12	120
15	150
18	180
22	220
27	270
33	330
39	390
47	470
51	510
56	560
68	680
82	820
100	101
110	111
120	121
150	151
180	181
200	201
220	221
270	271
330	331
390	391
470	471
510	511
560	561
680	681
820	821
1000	102
1100	112
1200	122
1500	152
1800	182
2000	202
2200	222
2700	272

(Ohms)	EIA Code
3300	332
3900	392
4700	472
5100	512
5600	562
6800	682
8200	822
10000	103
11000	113
12000	123
15000	153
18000	183
20000	203
22000	223
27000	273
33000	333
39000	393
47000	473
56000	563
68000	683
82000	823
100000	104
110000	114
120000	124
150000	154
180000	184
200000	204
220000	224
270000	274
330000	334
390000	394
470000	474
560000	564
680000	684
820000	824
1000000	105

How to Order Series 752 Products

Application specific custom products 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. See pages 32-33 for application notes.

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Series 752

16

Input/Outputs	SRT	DRT
08	16	
09	18	
10	20	
12	24	

3

Schematic 1 Bussed
3 Isolated
5 Dual Terminator

101

Resistor Code
See Page 44
Schematic 5

G

Packaging - TR - Tape & Reel
B - Bulk (see page 48)

TR

Tolerance
Schematic 1 & 3
J= ±5%
G= ±2%
F= ±1%
D= ±1/2%
Schematic 5
All 5 schematic products are 2% tolerance. (not marked)

NOTE: No dashes or spaces to appear in part number.

Example: 752163101GTR

See page 45 for part marking information.